

AUDIO VIDEO SURROUND RECEIVER

KRF-V4530D

KRF-V5030D/V5030DE/V5030D-S

KRF-V6030D/V6030DE/V6030D-S

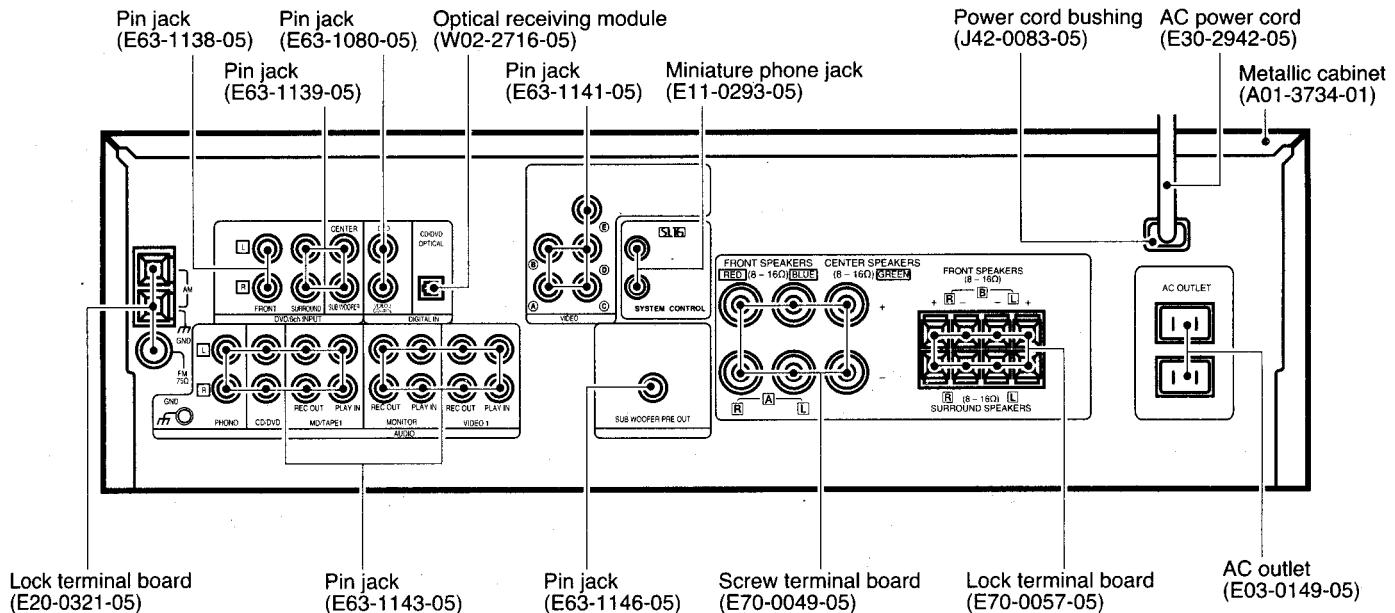
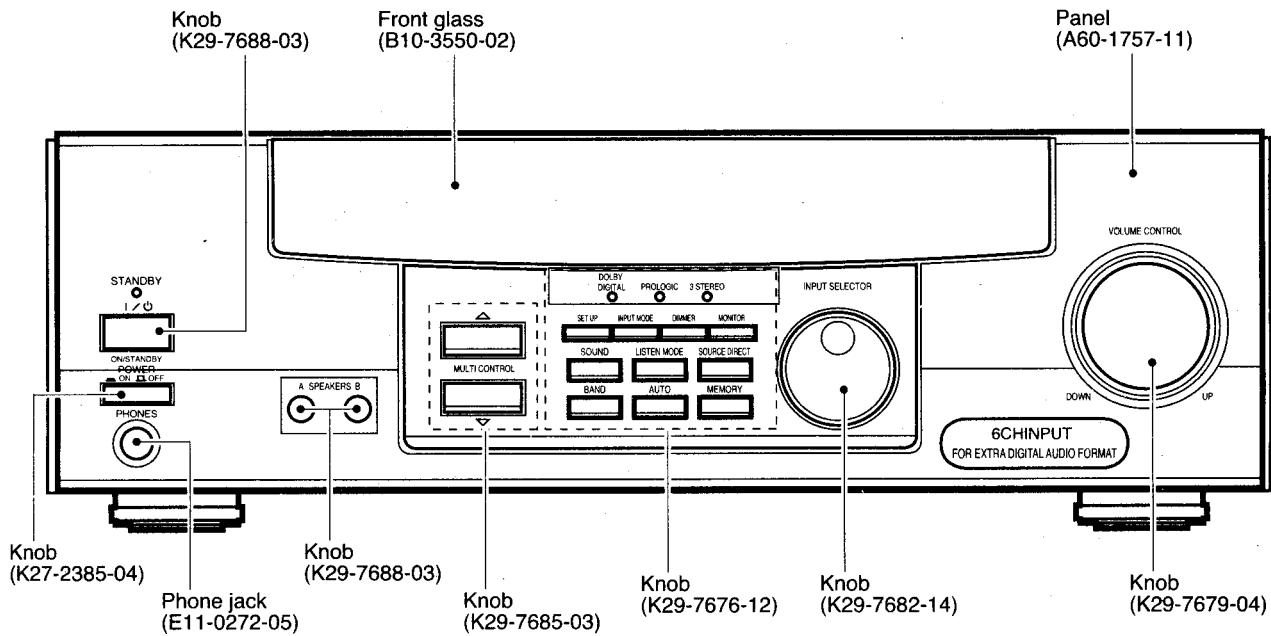
VR-405/406/414

SERVICE MANUAL

KENWOOD

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Note: On circuit description, please refer to KRF-V7030D service manual(B51-5598-00).



Illust. is KRF-V6030D-S(M).



CONTENTS / ACCESSORIES / CAUTIONS

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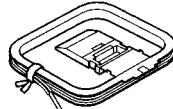
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Accessories

FM indoor antenna (1)
(T90-0836-05)

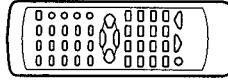


AM loop antenna (1)
(T90-0852-05)

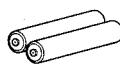


For VR-406 and KRF-V6030D

Remote control unit (1)
(A70-1330-05): RC-R0609
(A70-1331-05): RC-R0610(E type)



Batteries (R6/AA) (2)



Battery cover (A09-1178-08)

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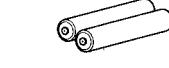
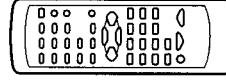
*AC plug adaptor (1)
(E03-0115-05)



*Use to adapt the plug on the power cord to the shape of the wall outlet.
(Accessory only for regions where use is necessary.)

For VR-405, VR-414, KRF-V5030D, and KRF-V4530D

Remote control unit (1)
(A70-1328-05): RC-R0509
(A70-1329-05): RC-R0510(E,T type)



Battery cover (A09-1178-08)

Cautions

Copy from
instruction
manual.

The manual covers the VR-407, VR-406, VR-405, VR-414, KRF-V7030D, KRF-V6030D, KRF-V5030D, and KRF-V4530D. Items such as functions, number of jacks, and remote control details differ somewhat between these models. To confirm the functions available on the model you have purchased, refer to the table below.

Model name	Remote Control	Speaker out	Terminal	Front input
			VIDEO 3 jacks	
VR-407 KRF-V7030D	RC-R0609	2 systems (A, B)	Equipped	Equipped
VR-406 KRF-V6030D	RC-R0609	2 systems (A, B)	Not equipped	Not equipped
VR-405/414 KRF-V5030D/ V4530D	RC-R0509	1 system	Not equipped	Not equipped

This manual is divided into four sections, Preparations, Operations, Other, and Remote Control.

Remote Control (Separate booklet) (VR-407/VR-406/KRF-V7030D/KRF-V6030D only)

Includes the "Quick Start Guide," which shows you how to operate other components using the remote control, as well as a detailed explanation of all remote control operations. Once you have registered your components with the proper setup codes, you'll be able to operate both this receiver and your other AV components (TV, VCR, DVD player, LD player, CD player, etc.) using the remote control supplied with this receiver.

VIDEO 2/MONITOR jacks (for VR-406/405/414/KRF-V6030D/V5030D/V4530D)

The receiver's VIDEO 2/MONITOR jacks can be used in two different ways. Make the appropriate setting for the component connected to the jack when the receiver is turned on.

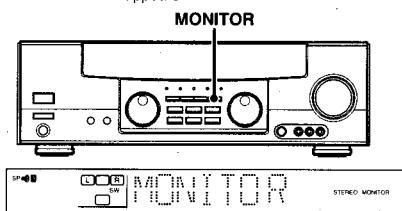
Use as a VIDEO 2 jack

You can connect a video deck or the like to these jacks and perform video playback and recording. The initial factory setting is "VIDEO 2".

Use as a MONITOR jack

You can connect a cassette deck or the like to these jacks and make use of the deck's monitoring function during recording. Alternatively, you can connect a graphic equalizer to these jacks to apply compensation to the music signal.

To use the VIDEO 2/MONITOR jacks as MONITOR jacks, hold down the MONITOR key of the main unit for more than two seconds so that the indication shown below appears.



* At the same time the setting is switched to "MONITOR," the audio input source switches to tuner and the video input source switches to VIDEO 1.

* To switch the setting back to "VIDEO 2," once again hold down the MONITOR key for two seconds or more.

Memory back up function

Please note that the following items will be deleted from the unit's memory if the power cord is disconnected from the AC outlet for approximately 3 days.

- Power mode.
- Input selector settings.
- Device preset.
- Picture output.
- Speaker ON/OFF
- Volume level.
- BASS, TREBLE, INPUT level.
- Subwoofer ON/OFF.
- Dimmer level.
- Monitor ON/OFF.
- MD/TAPE settings.
- 6CH/2CH input setting.
- Listen mode setting.
- Speaker settings.
- Input mode setting.
- Midnight mode setting.
- Broadcast band.
- Frequency setting.
- Preset stations.
- Tuning mode.

Resetting the Microcomputer

If the microcomputer may malfunction (unit cannot be operated, or shows an erroneous display) if the power cord is unplugged while the power is ON, or due to some other external factor. If this happens, execute the following procedure to reset the microcomputer and return the unit to its normal operating condition.

* Please note that resetting the microcomputer will clear the contents of the memory and returns the unit to the state it was in when it left the factory.

For U.S.A. and Canada

Unplug the power cord from the wall outlet, then plug it back in while holding down the POWER key.

For other countries

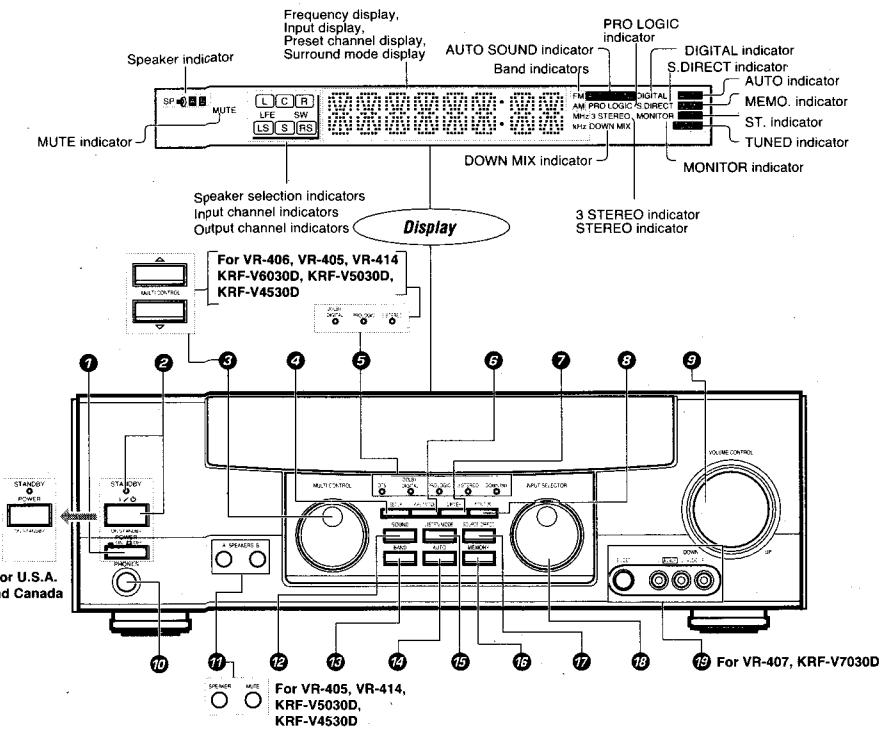
With the power cord plugged in, turn the POWER key OFF. Then, while holding down the ON/STANDBY key, press POWER.

Model vs PCB

MODEL	ABB	POWER SUPPLY	POWER AMP	PREAMP	DISPLAY
KRF-V4530D	E4	-	X07-3142-71	X08-3010-11	X14-7122-72
KRF-V5030D	E1	-	X07-3142-71	X08-3010-11	X14-7122-72
KRF-V5030D	T5	-	X07-3140-51	X08-3010-11	X14-7122-72
KRF-V5030D	Y5	X00-3000-20	X07-3142-91	X08-3010-11	X14-7120-22
KRF-V5030D-S	E3	-	X07-3142-71	X08-3010-11	X14-7122-72
KRF-V5030D-S	I5	X00-3000-20	X07-3140-21	X08-3010-11	X14-7120-22
KRF-V5030D-S	M5	X00-3000-20	X07-3140-21	X08-3010-21	X14-7120-22
KRF-V5030D-S	X5	-	X07-3140-71	X08-3010-11	X14-7120-72
KRF-V5030D-E	E2	-	X07-3142-71	X08-3010-11	X14-7122-72
VR-405	K5	-	X07-3140-10	X08-3010-10	X14-7120-11
VR-405	P5	-	X07-3140-10	X08-3010-10	X14-7120-11
VR-414	K4	-	X07-3140-11	X08-3010-10	X14-7120-11
VR-414	P4	-	X07-3140-11	X08-3010-10	X14-7120-11
KRF-V6030D	E6	-	X07-3132-72	X08-3010-10	X14-7122-71
KRF-V6030D-S	I6	X00-3000-20	X07-3130-22	X08-3010-10	X14-7120-21
KRF-V6030D-S	M6	X00-3000-20	X07-3130-22	X08-3010-21	X14-7120-21
KRF-V6030D-S	X6	-	X07-3130-72	X08-3010-10	X14-7120-71
KRF-V6030D-E	E7	-	X07-3132-72	X08-3010-10	X14-7122-71
VR-406	K6	-	X07-3130-11	X08-3010-10	X14-7120-10
VR-406	P6	-	X07-3130-11	X08-3010-10	X14-7120-10

KRF-V4530D/V5030D/V6030D/VR-405/406/414

CONTROLS

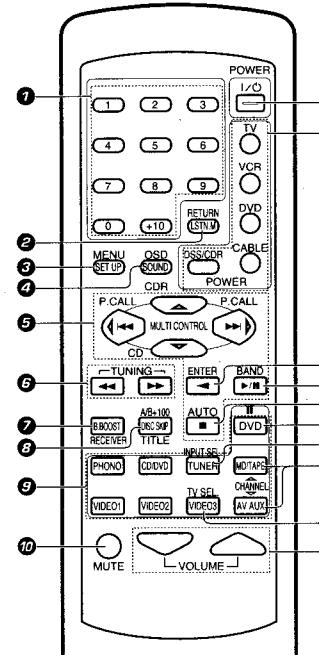


- ① **POWER key**
(Except for U.S.A. and Canada)
Use to turn the main power ON/OFF.
- ② **POWER key**
(For U.S.A. and Canada)
Use to turn the power ON/OFF.
- ③ **STANDBY indicator**
(Except for U.S.A. and Canada)
Use to switch the power ON/STANDBY when the POWER is turned ON.
- ④ **STANDBY indicator**
(For VR-407/KRF-V7030D)
Used to make a variety of settings.
- ⑤ **MULTI CONTROL keys**
(For VR-406/405/414/KRF-V6030D/V5030D/V4530D)
Used to make a variety of settings.
- ⑥ **SET UP key**
Use to select the surround sound settings.
- ⑦ **Surround indicators**
 - ⑧ **DTS indicator**
(For VR-407/KRF-V7030D)
Lights when the receiver is in the DTS mode.
 - ⑨ **PRO LOGIC indicator**
Lights when the receiver is in the PRO LOGIC mode.
 - ⑩ **3 STEREO indicator**
Lights when the receiver is in the 3 STEREO mode.
 - ⑪ **DOWN MIX indicator**
(For VR-407/KRF-V7030D)
Lights when the receiver is in the DOWN MIX mode.
 - ⑫ **INPUT MODE key**
Use to switch between the digital and analog inputs.
 - ⑬ **MULTI CONTROL key**
Use to adjust the brightness of the display.
 - ⑭ **MONITOR key**
Use to monitor the source that is connected to the MONITOR jack.
 - ⑮ **VOLUME CONTROL knob**
⑯ **PHONES jack**
Use for headphone listening.

Standby mode

While the standby indicator of the unit is lit, a small amount of current is flowing into the unit's internal circuitry to back up the memory. This condition is referred to as the standby mode of the unit. While the unit is in the standby mode, it can be turned ON from the remote control unit.

Remote control unit (RC-R0609) (VR-407/406/KRF-V7030D/V6030D)

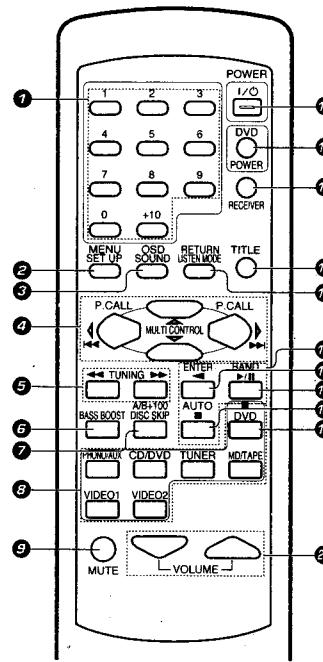


- ① **Numeric keys**
Provide functions identical to those of the original remote control supplied with the component you are controlling.
- ② **LSTN.M key**
Use to select the listening mode.
- ③ **RETURN key**
Use to operate other components.
- ④ **SET UP key**
Use to select the surround sound settings.
- ⑤ **MENU key**
Use to operate other components.
- ⑥ **SOUND key**
Use to adjust the sound quality and ambience effects.
- ⑦ **DISC SKIP key**
If CD is selected as the input source, this key functions as the multi-CD player disc skip key.
- ⑧ **BAND key**
If TAPE is selected as the input source, this (A and B) of a double cassette deck.
- ⑨ **ENTER key**
Use to turn the other components on and off.
- ⑩ **ENTER key**
Use to operate other components.
- ⑪ **◀ key**
If tape is selected as the input source, this key functions as the play key for side B of the cassette (the side facing away from the front of the deck).
- ⑫ **DISC key**
If CD is selected as the input source, this key functions as the stop key.
- ⑬ **▲ key**
If TAPE is selected as the input source, this key functions as the play/pause key.
- ⑭ **▼ key**
If CD is selected as the input source, this key functions as the stop key.
- ⑮ **▲ key**
If MD is selected as the input source, this key functions as the play key.
- ⑯ **▼ key**
If TAPE is selected as the input source, this key functions as the stop key.
- ⑰ **▲ key**
If CD or MD is selected as the input source, this key functions as the stop key.
- ⑱ **▼ key**
Use to operate other components.
- ⑲ **INPUT SEL. key**
Use to operate other components.
- ⑳ **CHANNEL ▲/▼ keys**
Use to select the channel.
- ㉑ **TV SEL. key**
Use to operate other components.
- ㉒ **VOLUME keys**
Use to adjust the receiver volume.

KRF-V4530D/V5030D/V6030D/VR-405/406/414

CONTROLS

Remote control unit (RC-R0509) (VR-405/414/KRF-V5030D/V4530D)



① **Numeric keys**

If CD or MD is selected as the input source, these keys function as numeric keys. If tuner is selected as the input source, these keys are used to call up station presets.

② **SET UP key**

Use to select the surround sound settings. **MENU key**

Use to operate other components.

③ **SOUND key**

Use to adjust the sound quality and ambient effects.

④ **OSD key**

Use to operate other components.

⑤ **MULTI CONTROL keys**

Used to make a variety of settings. **P.CALL ←/→ keys**

If tuner is selected as the input source, these keys function as P.CALL keys.

⑥ **←/→/↑/↓ keys**

If CD or MD is selected as the input source, these keys function as search keys.

⑦ **TUNING ←/→ keys**

If tuner is selected as the input source, these keys function as tuning keys.

⑧ **BASS BOOST key**

Use to select the maximum adjustment setting for the low frequency range.

⑨ **DISC SKIP key**

If CD is selected as the input source, this key functions as the multi-CD player disc skip key.

⑩ **AB key**

If TAPE is selected as the input source, this (A and B) of a double cassette deck.

⑪ **+100 key**

Use to select the disc number with the multi-CD player.

⑫ **INPUT SELECTOR keys (DVD, PHONO/AUX, CD/DVD, TUNER, MD/TAPE, VIDEO1, VIDEO2)**

Selects the inputs and sets the remote control to operate the component registered at the respective input.

⑬ **MUTE key**

Use to temporarily mute the sound.

⑭ **POWER key**

Use to turn the receiver on and off.

⑮ **DVD key**

Used to operate DVD player.

For details, refer to the instruction manual of your DVD player.

⑯ **RECEIVER key**

Use to return to the operation of the receiver.

⑰ **TITLE key**

Use to operate other components.

⑱ **LISTEN MODE key**

Use to select the listening mode.

⑲ **RETURN key**

Use to operate other components.

⑳ **Component operation keys**

Use these keys to operate other components with system control connections to the receiver.

㉑ **key**

If tape is selected as the input source, this key functions as the play key for side B of the cassette (the side facing away from the front of the deck).

㉒ **II key**

If CD is selected as the input source, this key functions as the play/pause key.

If MD is selected as the input source, this key functions as the play key.

㉓ **key**

If CD or MD is selected as the input source, this key functions as the stop key.

㉔ **ENTER key**

Use to operate other components.

㉕ **BAND key**

If tuner is selected as the input source, this key functions as the band selector key.

㉖ **AUTO key**

If tuner is selected as the input source, this key functions as the AUTO key.

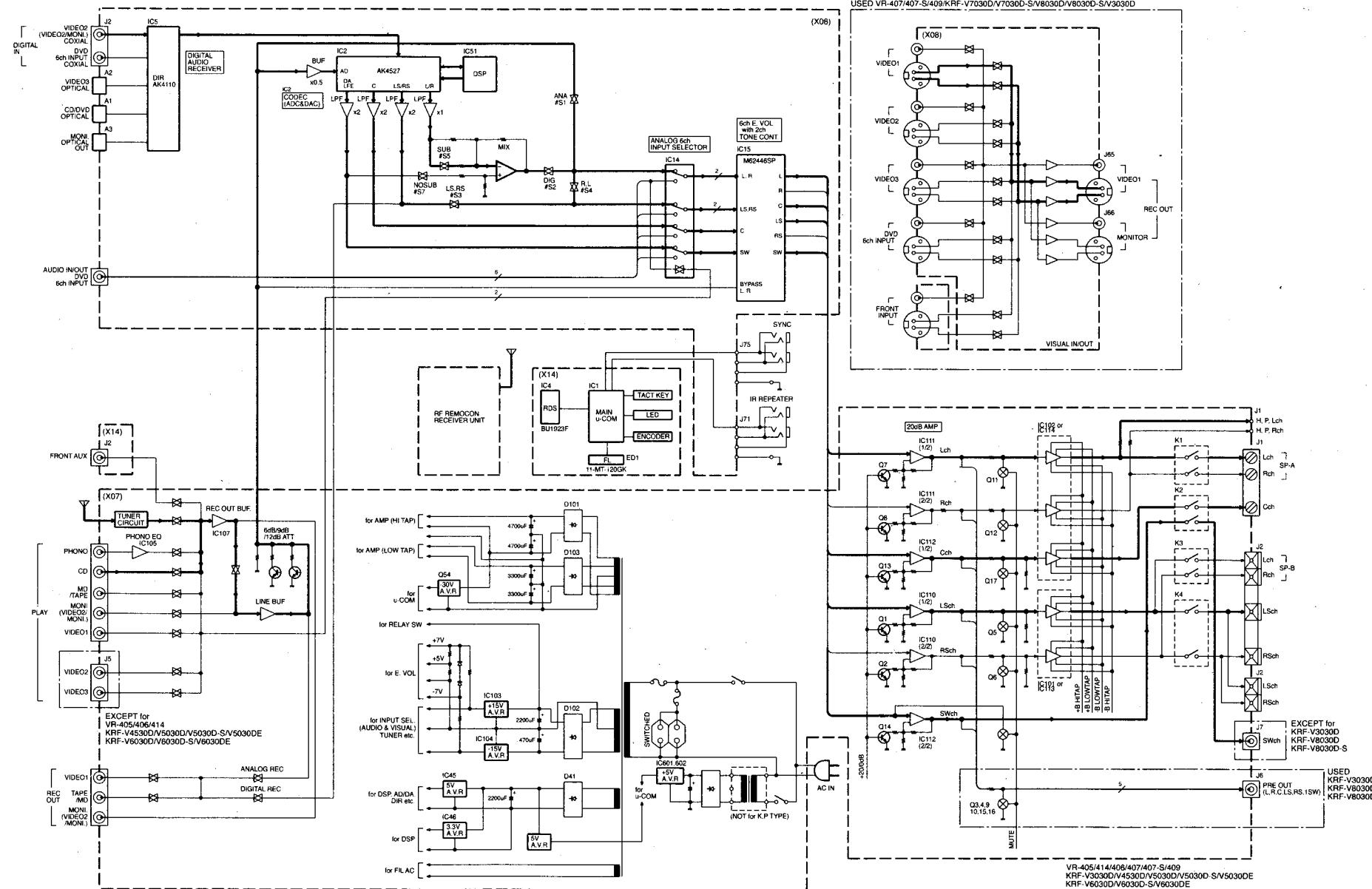
㉗ **II key**

Use to operate other components.

㉘ **VOLUME keys**

Use to adjust the receiver volume.

KRF-V4530D/V5030D/V6030D/VR-405/406/414 BLOCK DIAGRAM



CIRCUIT DESCRIPTION

Pin description of microprocessor : X14,IC1(MN101C35DRA)

Pin No.	Pin Name	I/O	Description
1	S. DATA	I/O	Serial data signal.
2	S.BUS	I/O	Serial busy signal.
3	SEL. ST1	O	Strobe output to input selector (IC106).
4	SEL/VOL/PLL DT	O	Data output to selector, volume and PLL IC.
5	SEL/VOL/PLL CLK	O	Clock output to selector, volume and PLL IC.
6	SEL. ST2	O	Strobe 2 output to input selector (IC109).
7	PLL. CE	O	PLL chip enable.
8	Vdd (+5v)	-	Power supply.
9	OSC OUT	O	8MHz clock output.
10	OSC IN	I	8MHz clock input.
11	Vss	-	Connected to ground.
12	X IN	-	Connected to ground.
13	X OUT	-	No used.
14	MMCD	-	Connected to ground.
15	Vref-	-	Connected to ground.
16,17	KEY2,KEY1	I	Input terminal of key1 and key2.
18	MODEL TYPE	I	Discrimination port of models.
19	TH. SENS	I	No used.
20	PROTECT	I	Detection port of protection signal 1.
21	PROTECT2	I	Detection port of protection signal 2.
22	S.LEVEL/CH SPACE	I	RDS S level and channel space changeover.
23	PLL DO	I	RDS PLL data signal input.
24	Vref+	-	Reference voltage of AD converter..
25	CE	I	Chip enable.
26	RESET	I	Reset signal input.
27	T. MUTE	O	Muting signal output to tuner.
28	RF ST	O	CE signal output of RF receiver IC.
29	RF DT	O	Data signal output of RF receiver IC.
30	RF CLK	O	Clock signal output of RF receiver IC.
31	VOL ST	O	Latch output of electric volume.
32	DSP INTREQ	I/O	Detection port of DSP INTREQ.
33	DTS DET	I	Detection port of DTS data.
34	REMOCON	I	Remote control signal input.
35	DIR ERR	I	Detection port of DIR error signal.
36	DZF	I	Detection port of CODEC zero input.
37	RDS.CLK	I	RDS clock input.
38	RDS.DAT/CE2	I	RDS data input./u-COM chip enable 2.
39	DSP/DIR/CORDEC CDIN	O	Serial data output.
40	DSP/DIR/CDOUT	I	Serial data input.
41	DSP/DIR/CORDEC CCLK	O	Clock output to IC2, IC5 and IC51on X08.
42	DSP CS	O	DSP chip select.
43	DSP PD	O	DSP power down.
44	DIR CODEC CS	O	CODEC chip select.
45	DIR CODEC PD	O	DIR CODEC power down.
46	NO USE	-	No used.
47-57	1G-11G	O	FL grid control(1G-11G).
58-74	P1-P17	O	FL segment control(P1-P17).
75	PACK CONT.	O	Power pack control.
76	LIMMITER	O	Control port of A class power supply.
77	REAR RE	O	Relay control terminal of surround speaker.
78	CENTER RE	O	Relay control terminal of center speaker.
79	FB RE	O	Relay control terminal of front B speaker.
80	FA RE	O	Relay control terminal of front A speaker.

KRF-V4530D/V5030D/V6030D/VR-405/406/414

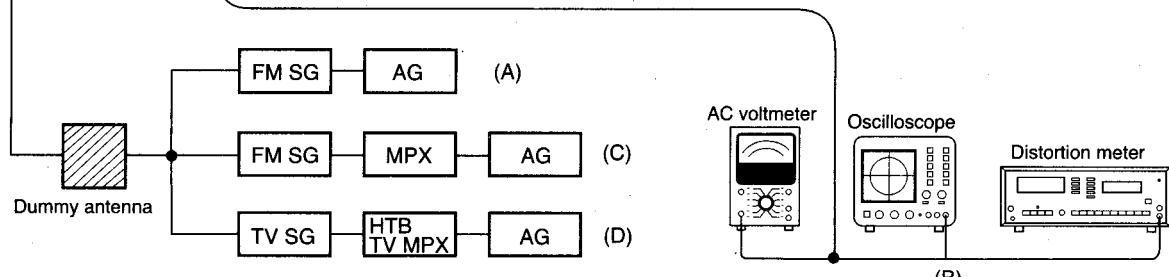
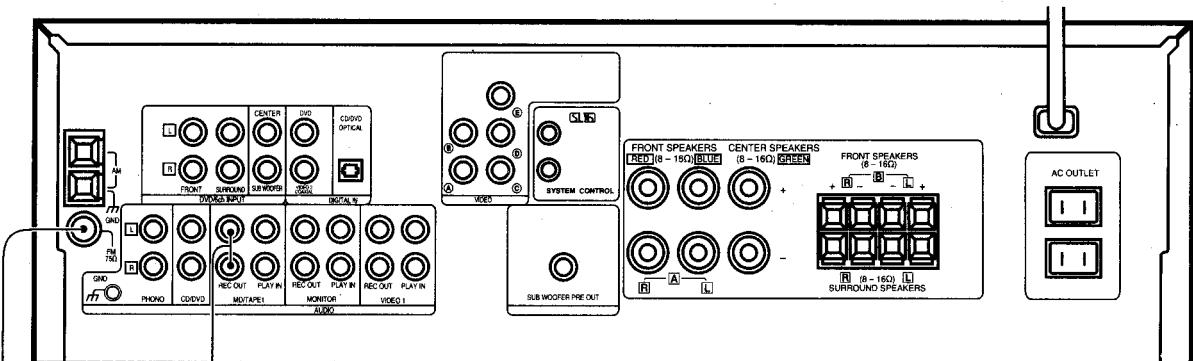
CIRCUIT DESCRIPTION

Pin No.	Pin Name	I/O	Description
81	POWER RE	O	Power relay control.
82	CS5.1(DOWN MIX)LED	O	Control terminal of CS5.1(DOWN MIX) LED.
83	3 STEREO LED	O	Control terminal of 3 STEREO LED.
84	DTS LED	O	Control terminal of DTS LED.
85	DOLBY DIGITAL LED	O	Control terminal of DOLBY DIGITAL LED.
86	PROLOGIC LED	O	Control terminal of PROLOGIC LED.
87	STANDBY LED	O	Control terminal of STANDBY LED.
88	PRE OUT MUTE	O	Muting control terminal of pre out.
89	20dB ATT	O	20dB attenuation(volume) control terminal.
90	A.MUTE	O	Audio muting signal output.
91	ABOOT	O	EPROM CS.
92	MULTI. ENC CW	I	Multi cont. encoder signal input(clockwise).
93	MULTI. ENC CCW	I	Multi cont. encoder signal input(counterclockwise).
94	SEL. ENC CW	I	Selector encoder signal input(clockwise).
95	SEL. ENC CCW	I	Selector encoder signal input(counterclockwise).
96	VOL. ENC CW	I	Volume encoder signal input(clockwise).
97	VOL. ENC CCW	I	Volume encoder signal input(counterclockwise).
98	STEREO	I	Stereo (tuner) signal input.
99	SD	I	Tuner (SD)detector input.
100	Vpp(-30V)	-	FL power supply(-35V).

ADJUSTMENT

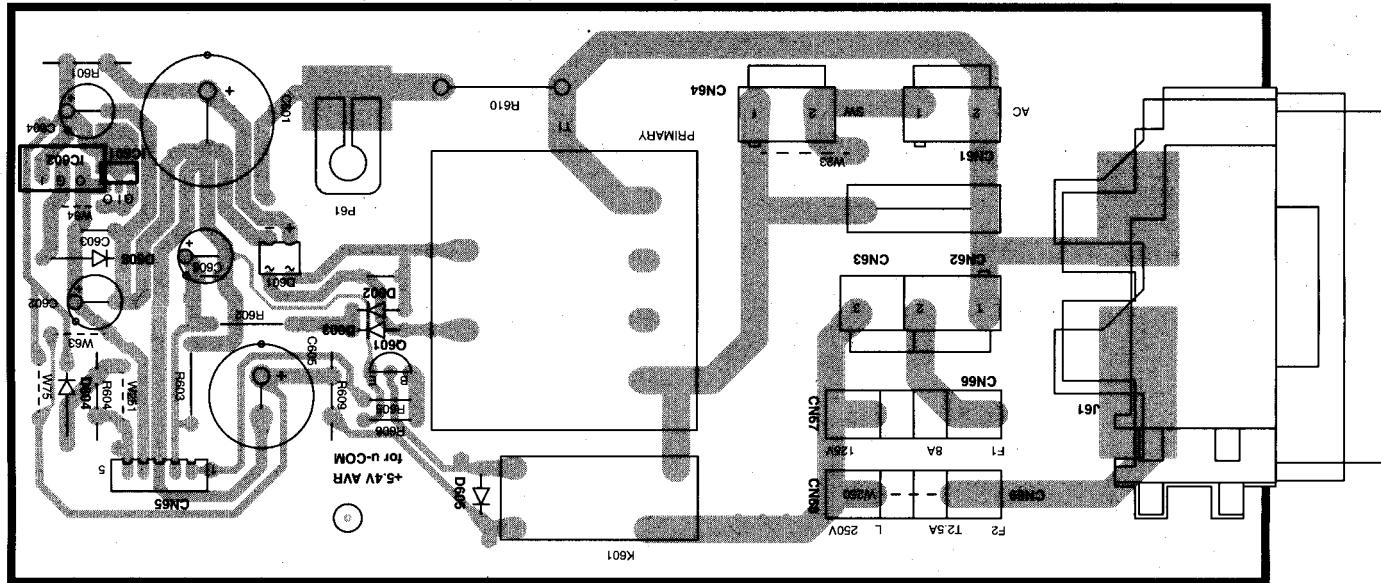
No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	RECEIVER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
FM SECTION : EXCEPT E,T type		SELECTOR : FM					
1	DISCRIMINATOR (K,P only)	(A) 98.0MHz 1kHz, ±75kHz dev. 70dBf (ANT. input)	Connect a DC voltmeter between CN4 ① and CN4 ② (X07)	98.0MHz	L4 (X07)	0V	
2	TUNING LEVEL	(A) 98.0MHz MONO 1kHz, ±75kHz dev. 29.2dBf (ANT. input)	(B)	MONO 98.0MHz	VR1 (X07)	Adjust VR1 and stop at the point where ED1 (TUNED) goes on.	
FM SECTION : E,T type only		SELECTOR : FM ※ Adjust NO.1 and NO.2 repeat.					
1	DISCRIMINATOR	(A) 98.0MHz 1kHz, ±40kHz dev. 70dBf (ANT. input)	Connect a DC voltmeter between CN4 ① and CN4 ② (X07)	MONO 98.0MHz	L4 (X07)	0V	
2	DISTORTION (MONO)	(A) 98.0MHz 1kHz, ±40kHz dev. MONO 70dBf (ANT. input)	(B)	MONO 98.0MHz	L5 (X07)	Minimum distortion	
3	DISTORTION (STEREO)	(C) 98.0MHz 1kHz, ±40kHz dev. Selector : L or R Pilot : ±6kHz dev. 70dBf (ANT. input)	(B)	AUTO 98.0MHz	IFT (FRONT END : A1)	Minimum distortion (L or R)	
4	TUNING LEVEL	(A) 98.0MHz MONO 1kHz, ±40kHz dev. 29.2dBf (ANT. input)	(B)	MONO 98.0MHz	VR1 (X07)	Adjust VR1 and stop at the point where ED1 (TUNED) goes on.	

SYSTEM CONNECTIONS

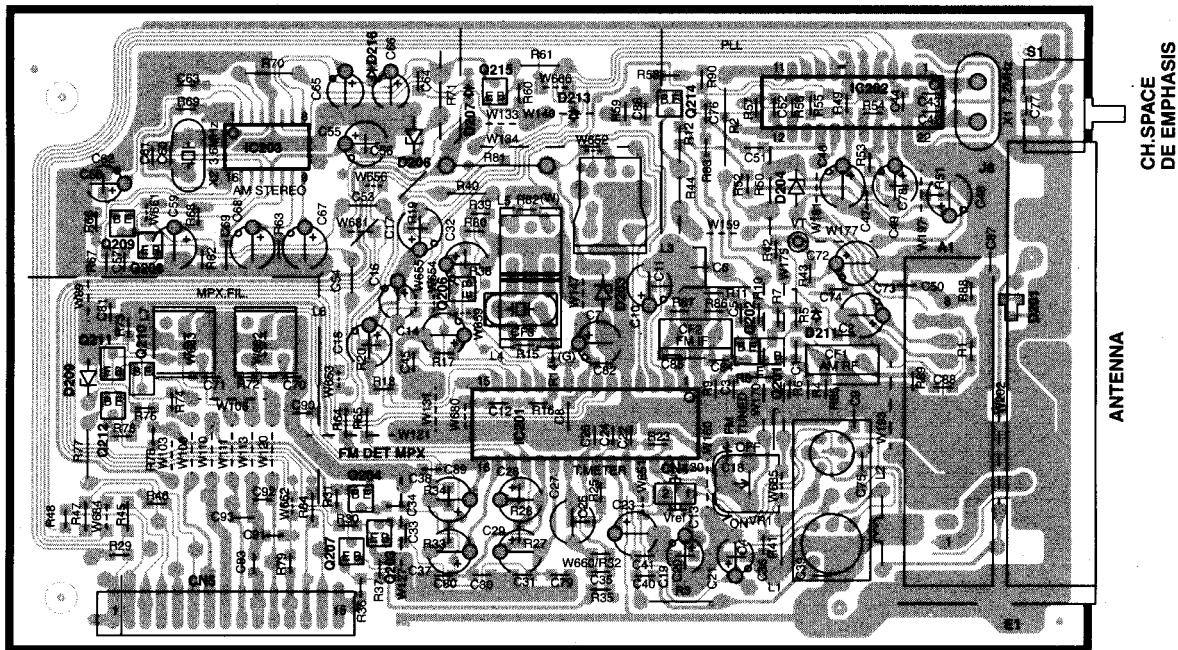


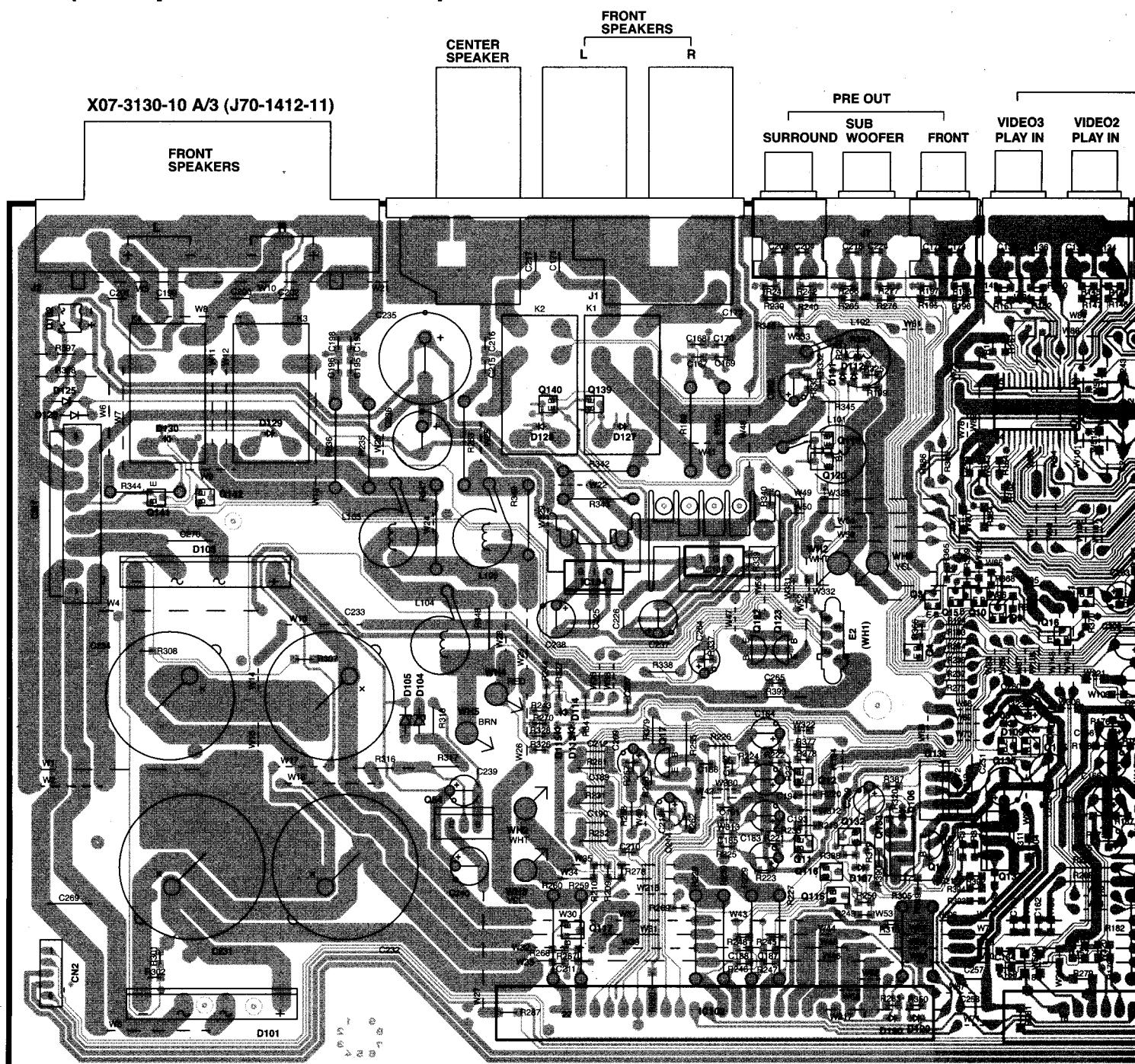
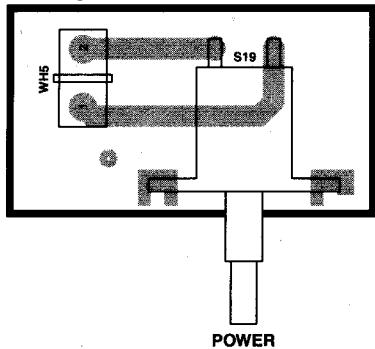
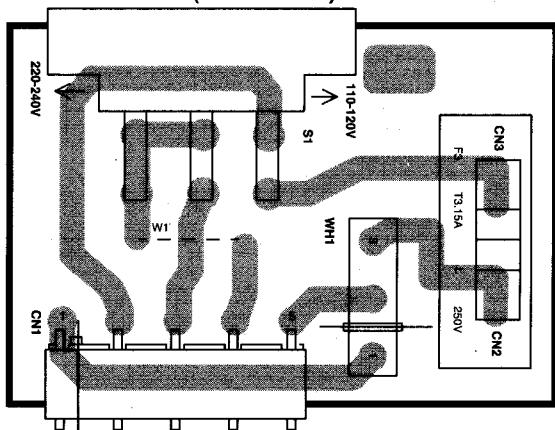
PC BOARD (Component side view)

X07-3130-10/X07-3140-10 C/3 (J70-1412-11)/(J70-1370-11)

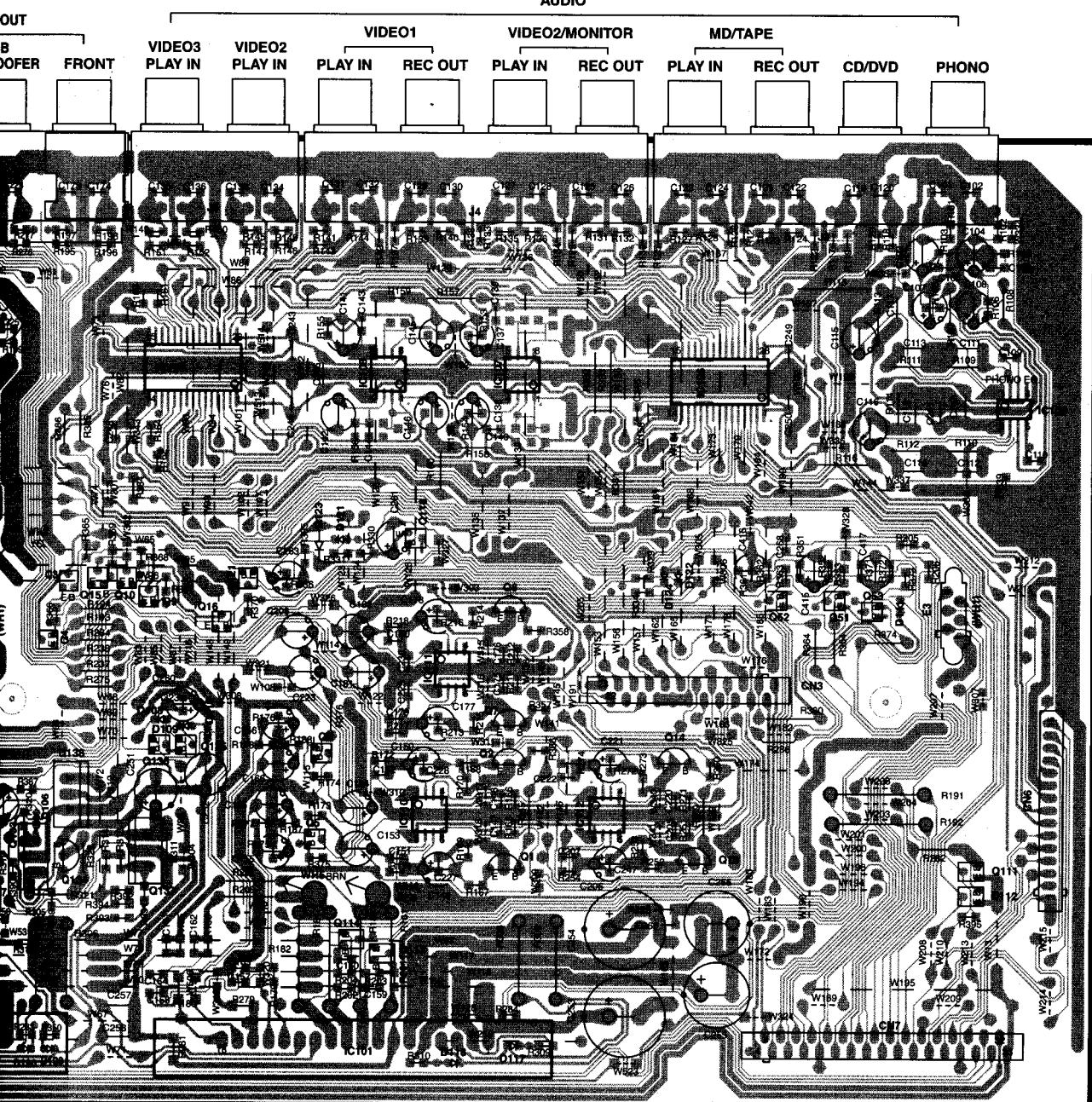


X07 B/3



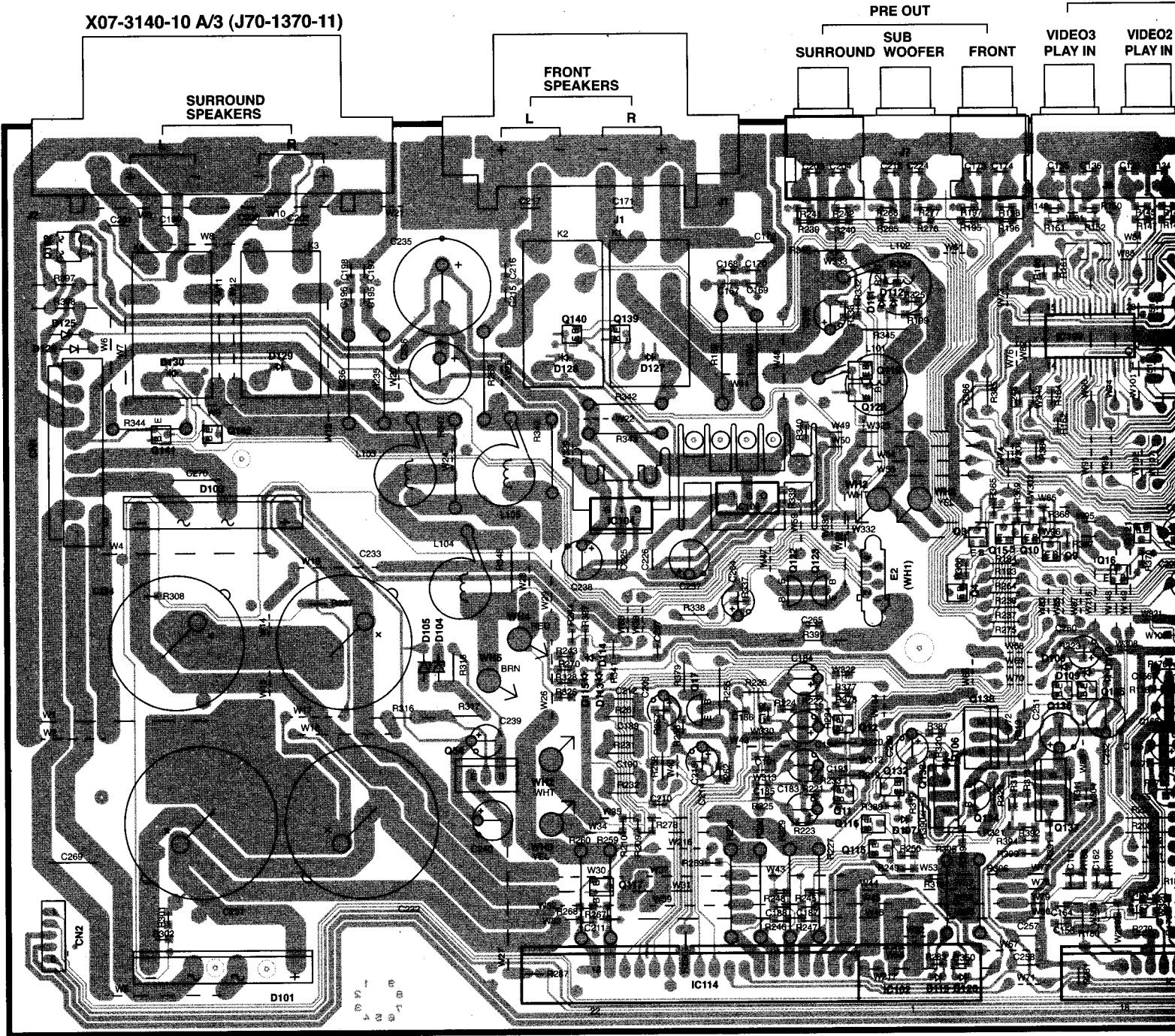
PC BOARD (Component side view)**X14 F/6****X00-3000-20 (J70-1368-01)**

AUDIO

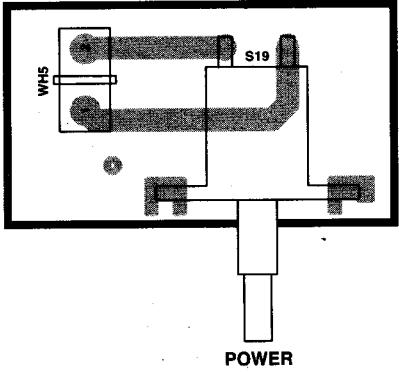


BOARD (Component side view)

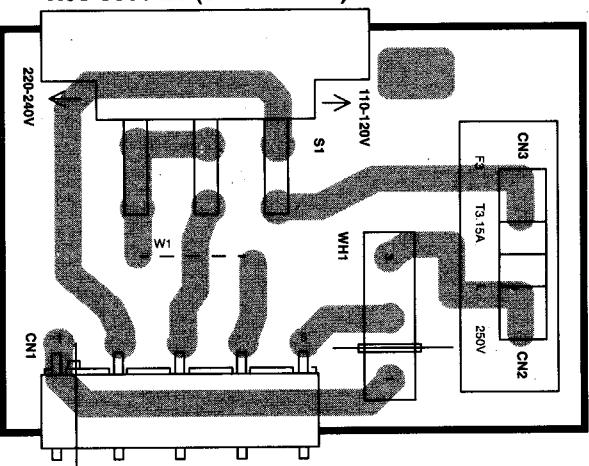
X07-3140-10 A/3 (J70-1370-11)

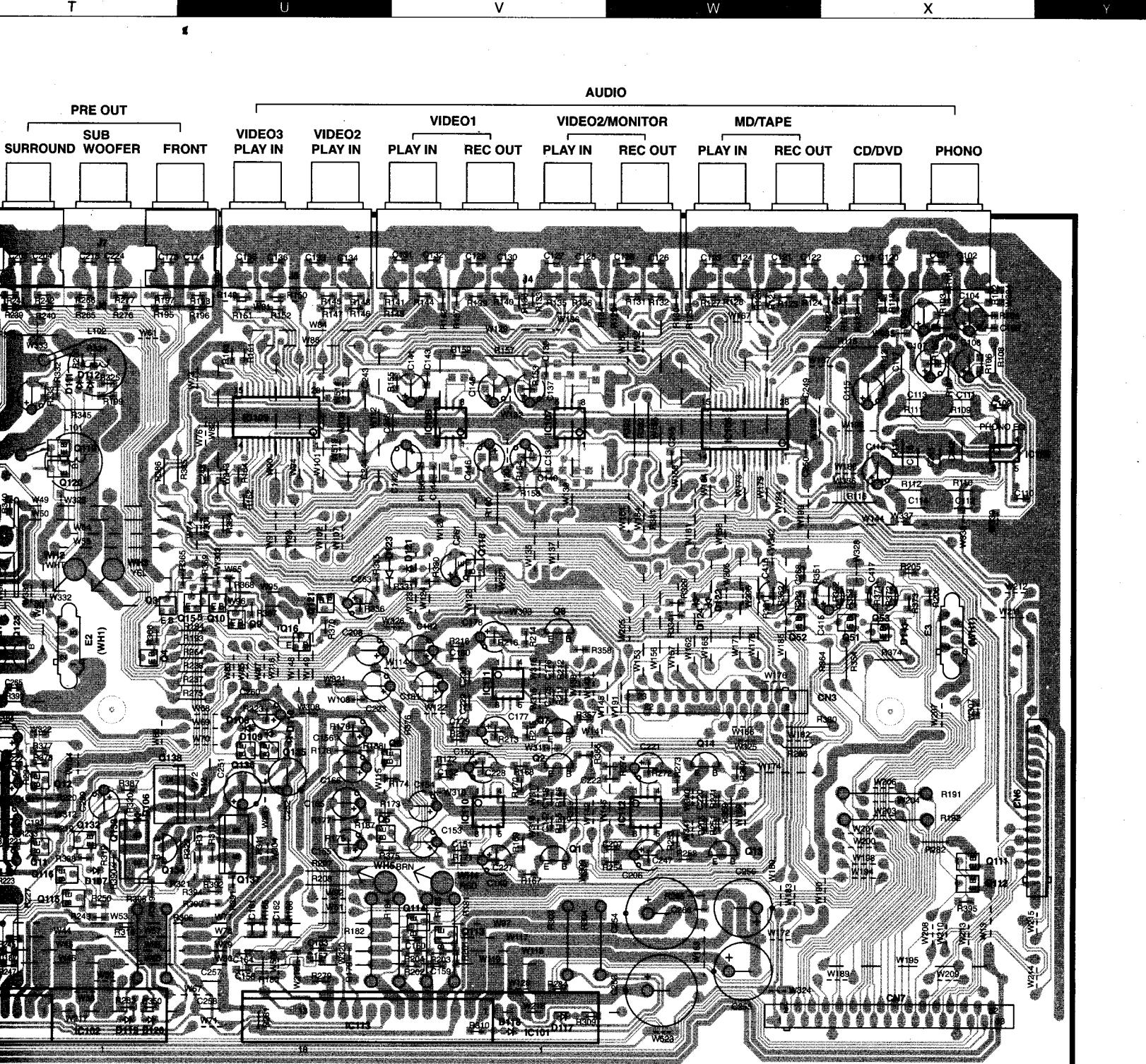


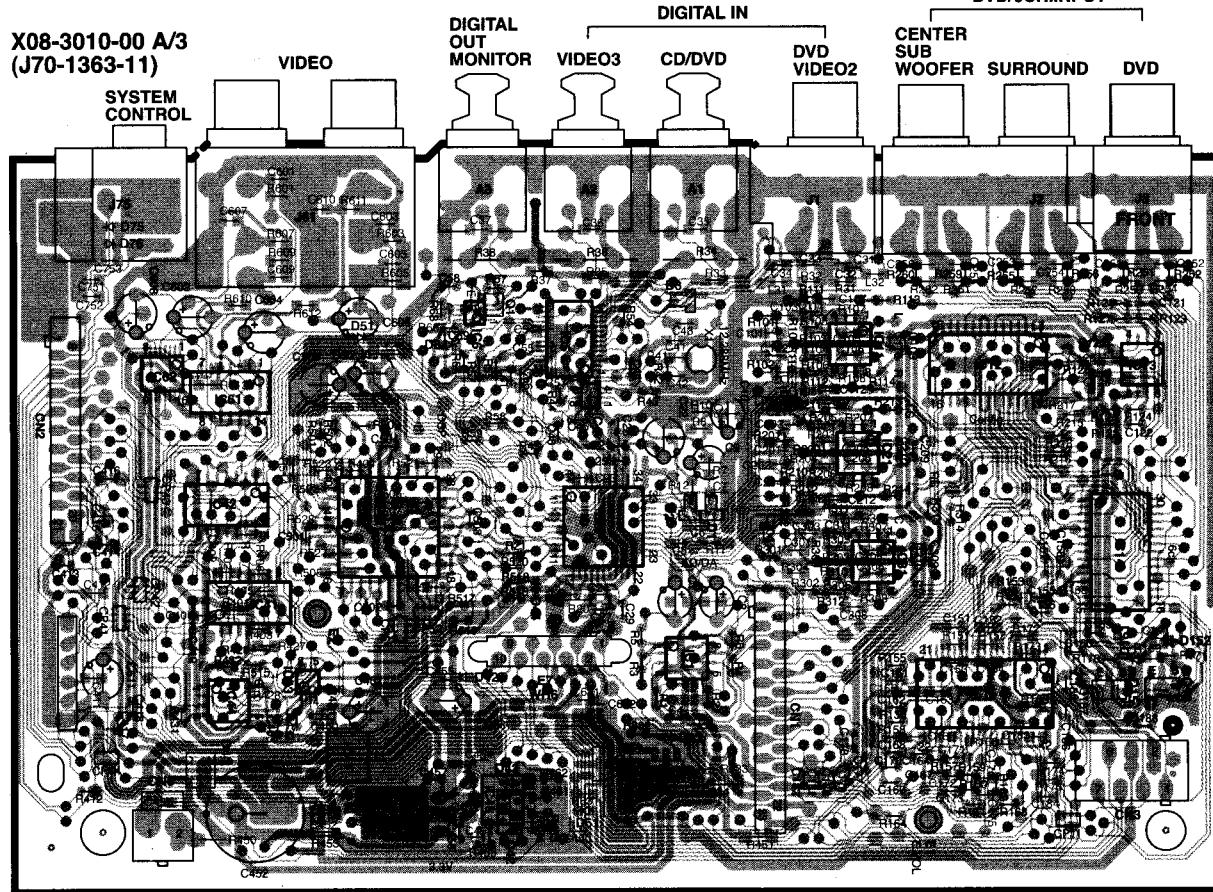
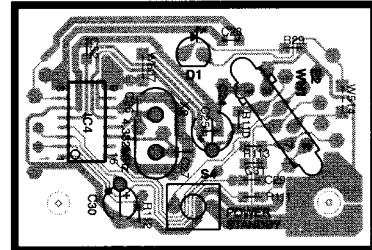
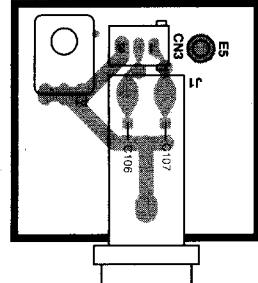
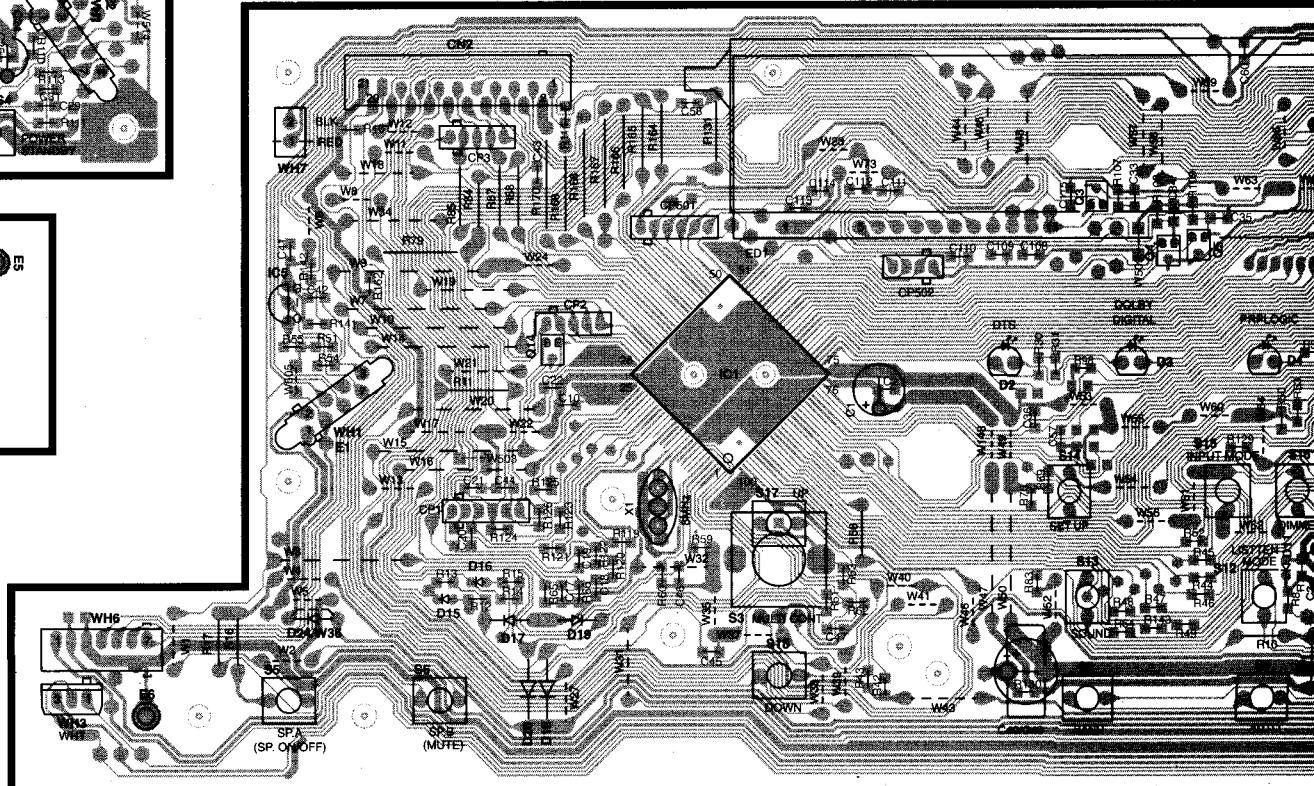
X14 F/6



X00-3000-20 (J70-1368-01)

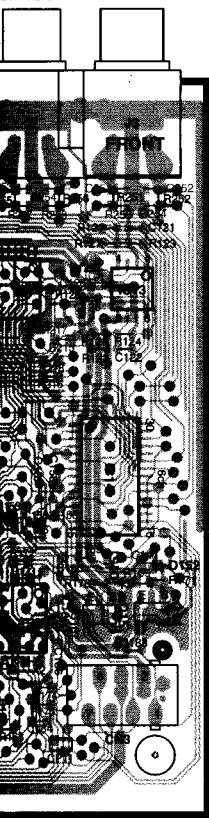




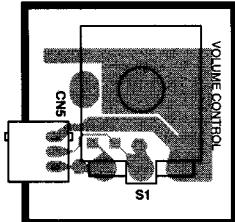
C BOARD (Component side view)**X14 C/6****X14 B/6****PHONES****X14-7120-10 A/6 (J70-1409-11)**

D/6CH.INPUT

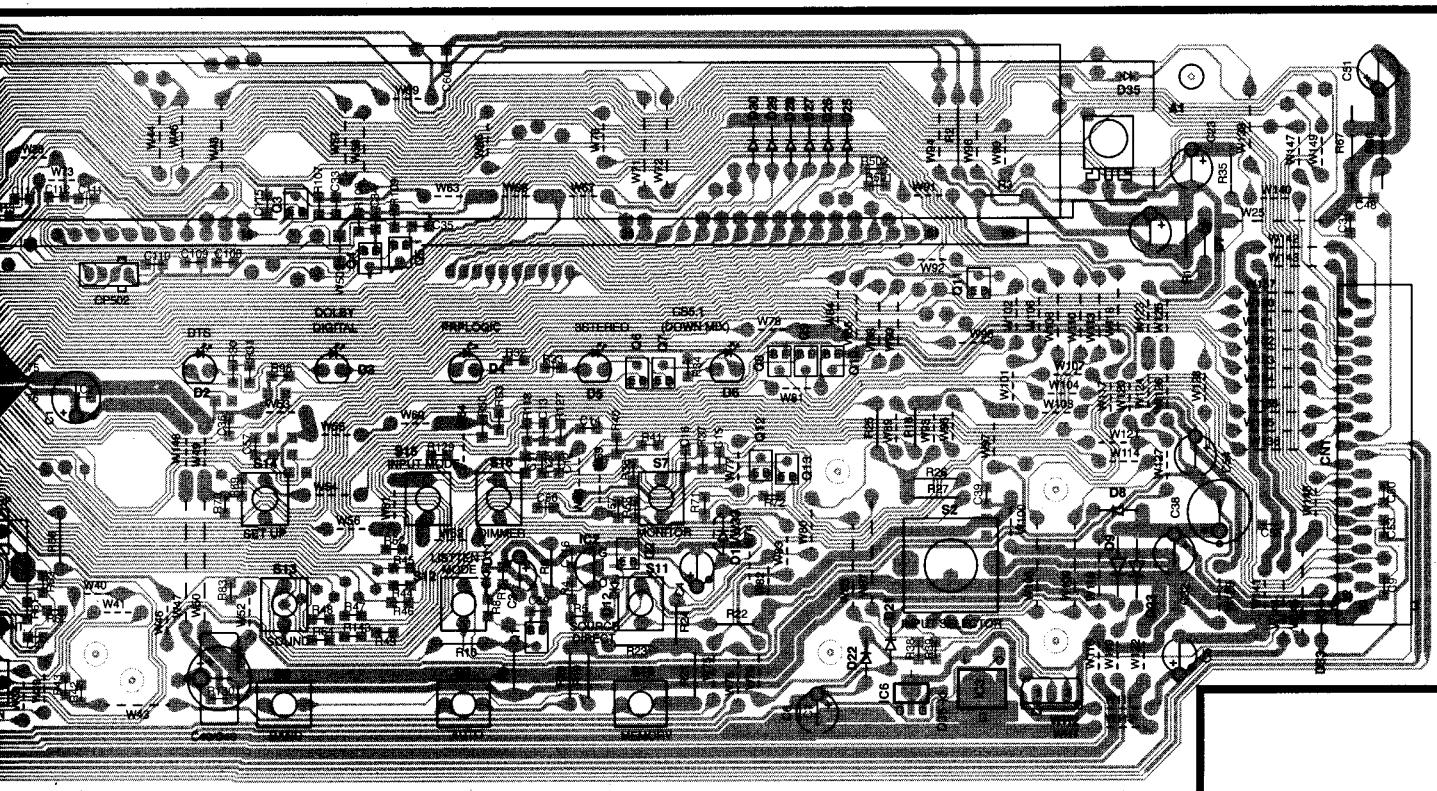
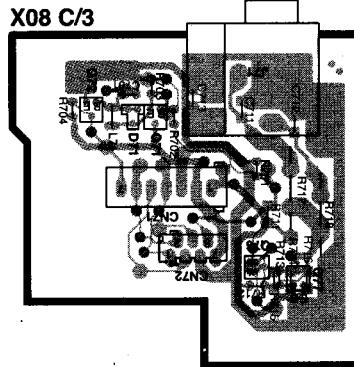
SURROUND DVD



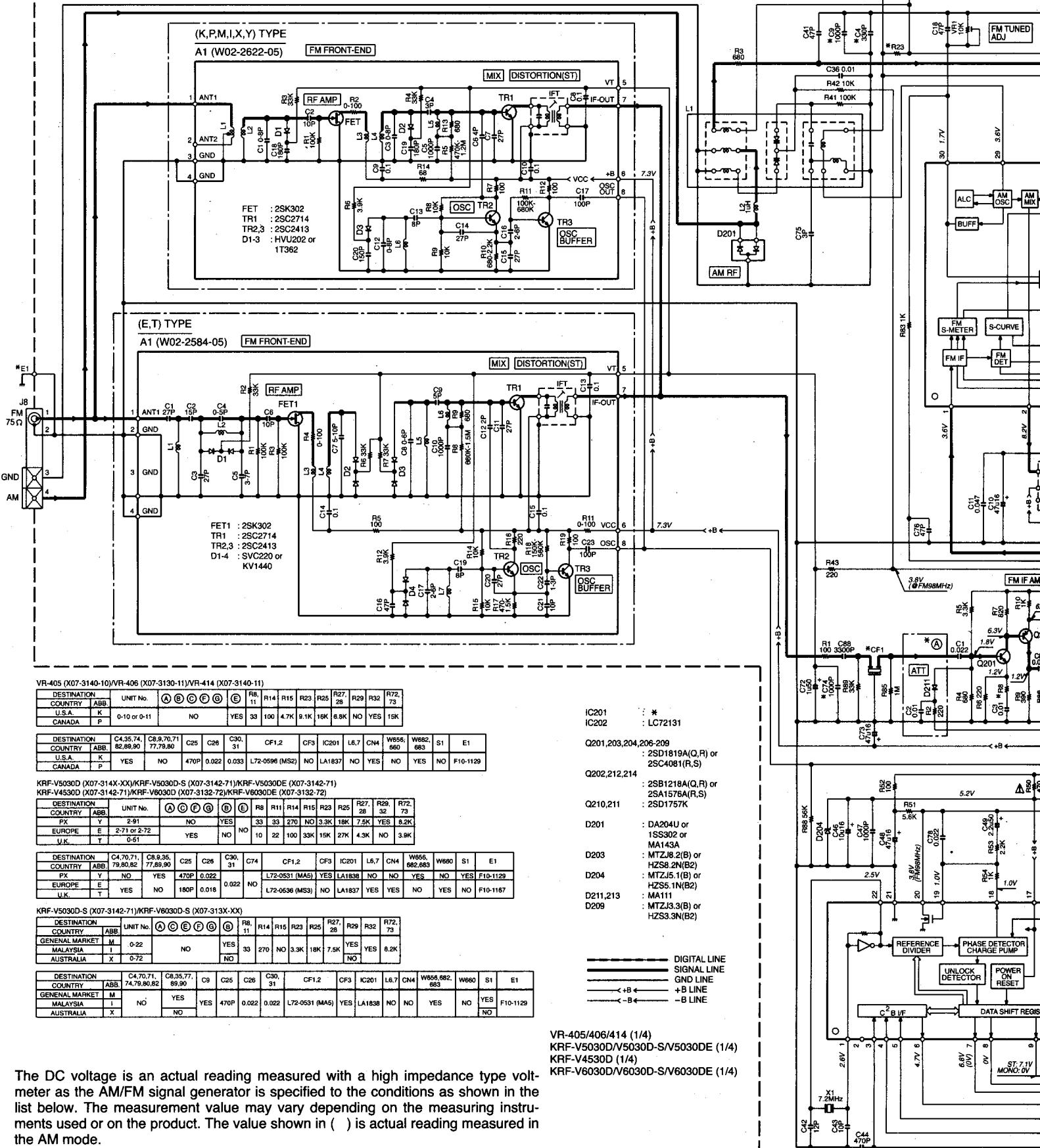
X14 C/6



REPEATER OUTPUT



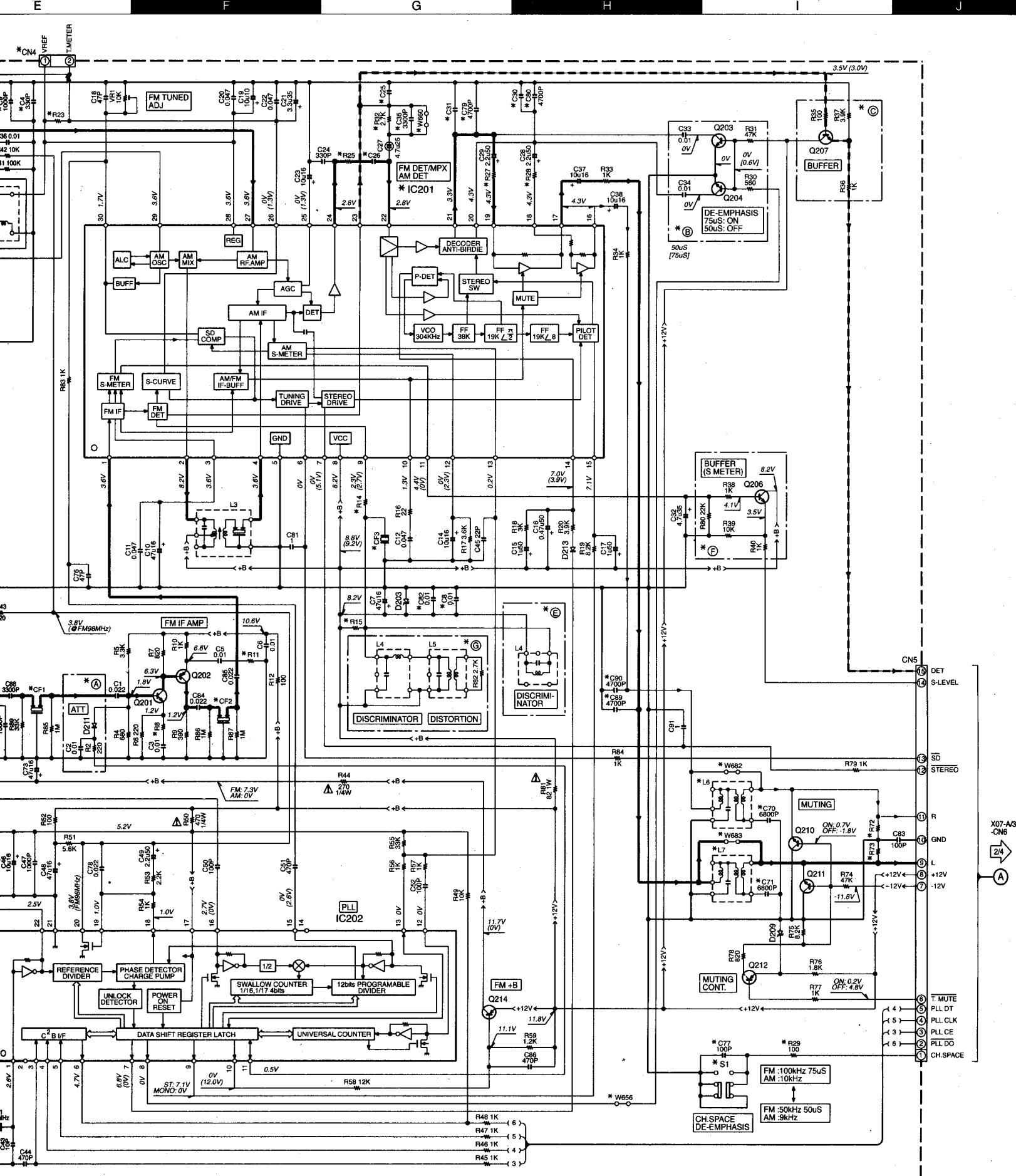
A B C D E TUNER UNIT (X07-31XX-XX) (B/3)



The DC voltage is an actual reading measured with a high impedance type voltmeter as the AM/FM signal generator is specified to the conditions as shown in the list below. The measurement value may vary depending on the measuring instruments used or on the product. The value shown in () is actual reading measured in the AM mode.

MODE	CARRIER	MODULATION						ANT INPUT
		FREQUENCY		DEVIATION				
FM	98MHz	1kHz		STEREO	67.5kHz	7.5kHz(Pilot)		60dB
AM	1000(999)kHz	400Hz		MONO	30% MOD			60dB

CAUTION: For continued safety, replace safety critical componented parts (refer to parts list). Δ indicates safety critical component of fire, replace only with same type and rating fuse(s). To reduce the or resistance measurements shall be carried out (exposed parts a circuit) before the appliance is returned to the customer.

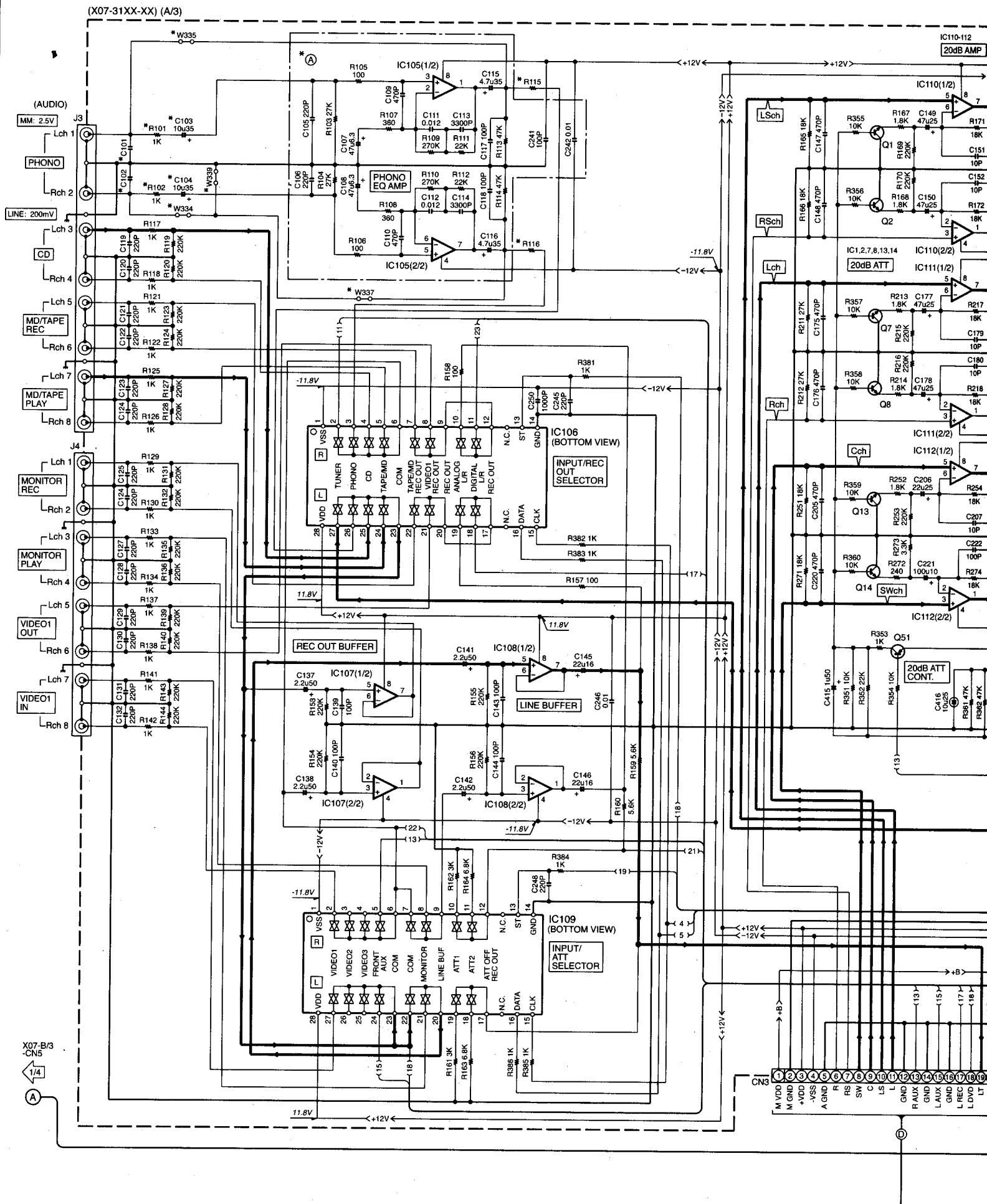


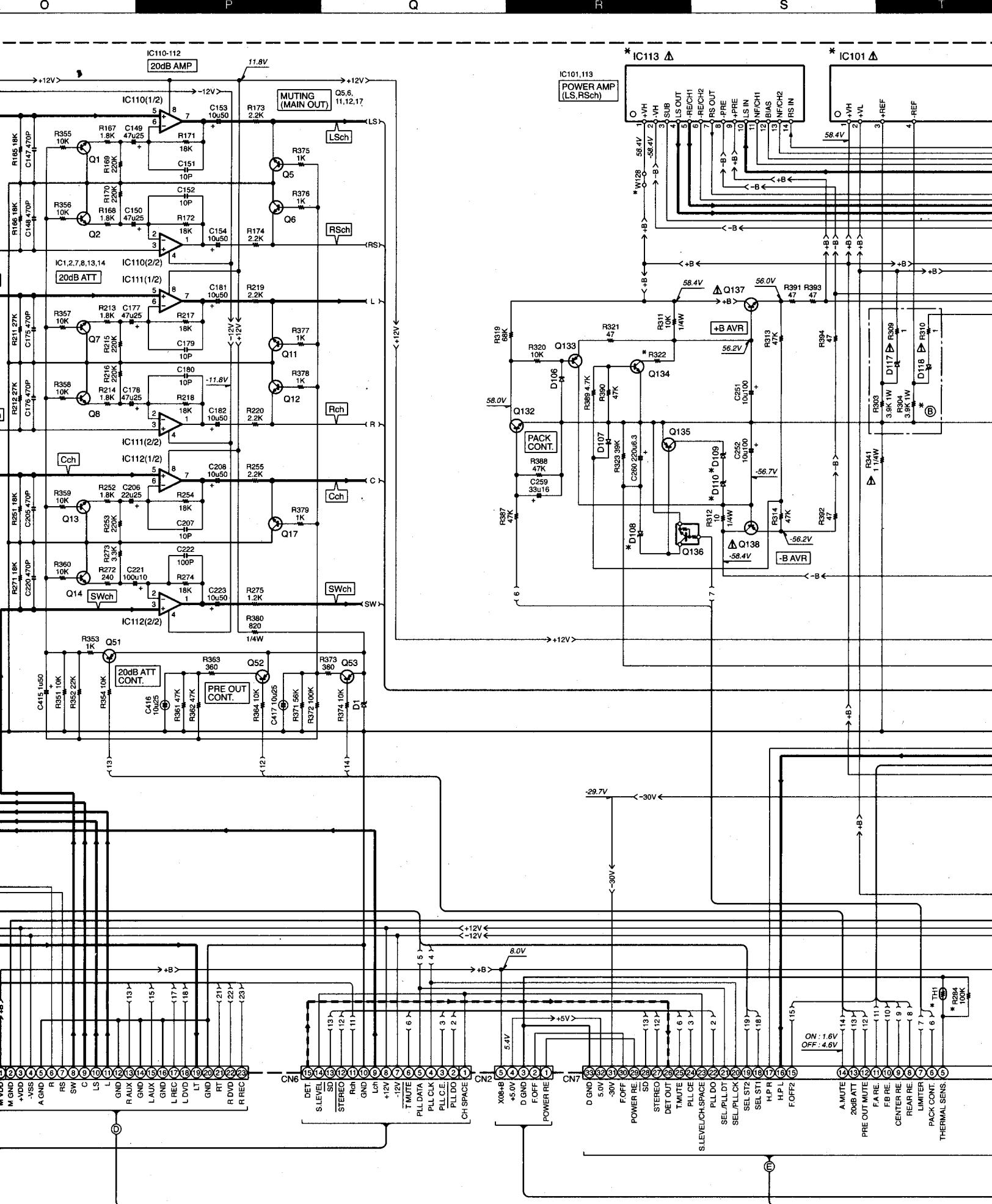
, replace safety critical components only with manufacturer's recommended type and rating fuse(s). To reduce the risk of electric shock, leakage-current shall be carried out (exposed parts are acceptably insulated from the supply turned to the customer.

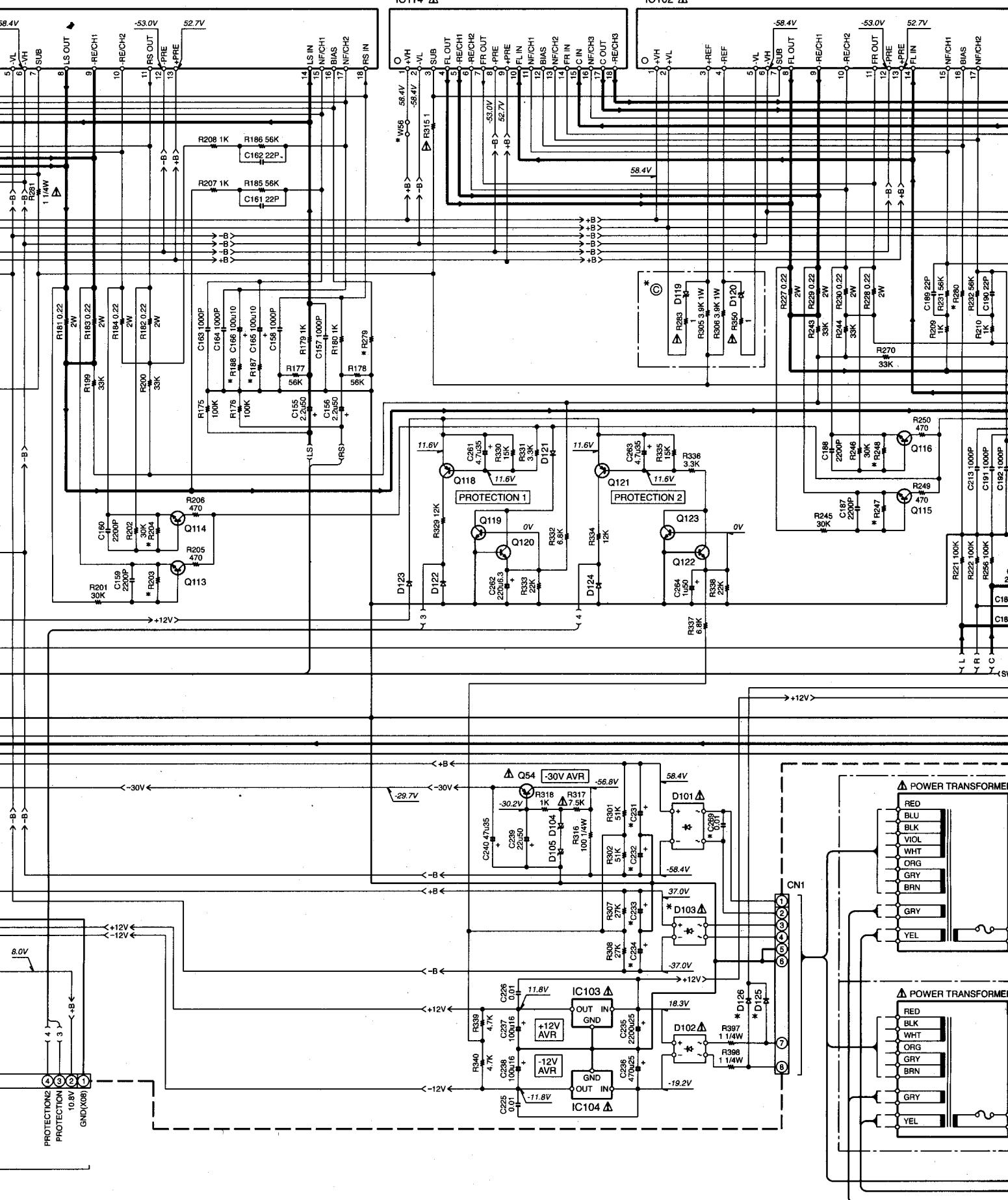
Y05-4050-10

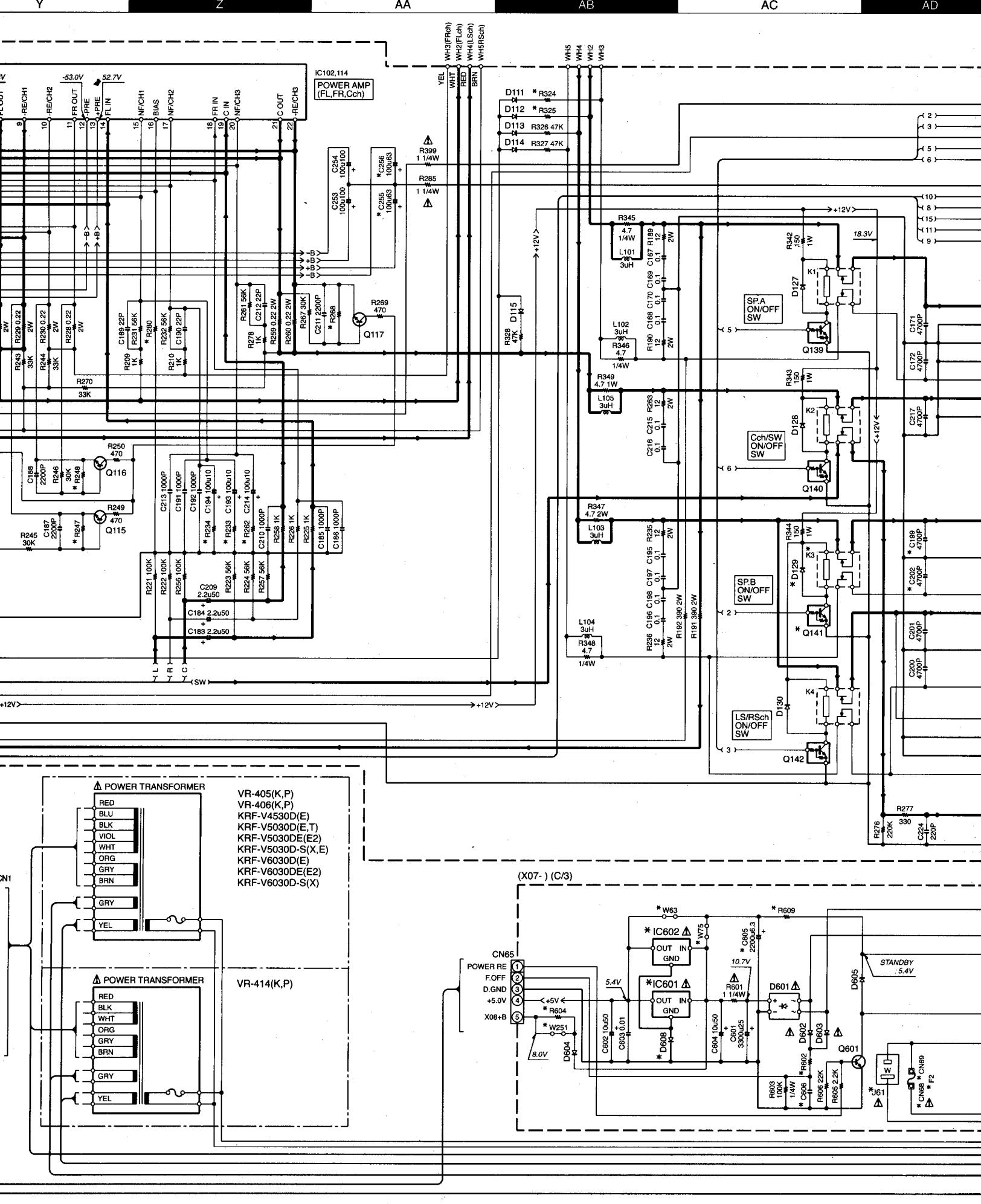
KRF-V4530D/V5030D/V6030D/VR-405/406/414

KENWOOD









AE

AF

AG

AH

AI

(X07-) (A/3)

VR-406 (X07-3130-11)

DESTINATION COUNTRY	UNIT No.	(A)	(B)	(C)	C101, 102	C103,104,199, 202,255,256	C231, 232	C233, 234	C269	D103	D108	D109	D110	D125, 126	D129	IC101	IC102	IC113, 114	J1	J2	K3	Q141	R101, 202,256		
U.S.A.	K			YES	39P	YES	4700u75	3300u42	NO	DSSBA20F03	UDZ8.2B	UDZ15B	UDZ16B	NO	YES	STK412-020A	STK413-020A	NO	SCREW	8P	YES	YES	YES		
CANADA	P	0-11																							
KRF-V6030D/V6030DE (X07-3132-72)																									
DESTINATION COUNTRY	UNIT No.	(A)	(B)	(C)	C101, 102	C103,104,199, 202,255,256	C231, 232	C233, 234	C269	D103	D108	D109	D110	D125, 126	D129	IC101	IC102	IC113, 114	J1	J2	K3	Q141	R101, 102		
U.S.A.	K			YES	39P	YES	4700u75	3300u35	NO	RBV-602LFA	UDZ8.2B	UDZ10B	UDZ13B	NO	YES	STK412-020A	STK413-020A	NO	SCREW	8P	YES	YES	YES		
EUROPE	E	2-72																							
KRF-V6030D-S (X07-313X-XX)																									
DESTINATION COUNTRY	UNIT No.	(A)	(B)	(C)	C101, 102	C103,104, 199,202,269	C231, 232	C233, 234	C255, 256	D103	D108	D109	D110	D125, 126	D129	IC101	IC102	IC113, 114	J1	J2	K3	Q141	R101, 102		
GENERAL MARKET	M	0-22		YES	39P	YES	4700u75	3300u42	NO	RBV-602LFA	UDZ8.2B	UDZ15B	UDZ16B	YES	YES	STK412-020A	STK413-020A	NO	SCREW	8P	YES	YES	YES		
MALAYSIA	I																								
AUSTRALIA	X	0-72																							
VR-405 (X07-3140-10)																									
DESTINATION COUNTRY	UNIT No.	(A)	(B)	(C)	C101, 102	C103,104, 199,202,269	C231, 232	C233, 234	C255, 256	D103	D108	D109	D110	D125, 126	D129	IC101	IC102	IC113, 114	J1	J2	K3	Q141	R101, 102		
U.S.A.	K	0-11		NO	220P	NO	4700u75	3300u42	YES	DSSBA20F03	UDZ6.8B	UDZ16B	UDZ13B	NO	NO	STK412-010A	STK413-010A	NO	LEVER	4P	NO	NO	NO		
CANADA	P	0-10	NO	YES	220P	NO	4700u75	3300u42	YES	DSSBA20F03	UDZ6.8B	UDZ16B	UDZ13B	NO	NO	STK412-010A	STK413-010A	NO	LEVER	4P	NO	NO	NO		
VR-414 (X07-3140-11)																									
DESTINATION COUNTRY	UNIT No.	(A)	(B)	(C)	C101, 102	C103,104, 199,202,269	C231, 232	C233, 234	C255, 256	D103	D108	D109	D110	D125, 126	D129	IC101	IC102	IC113, 114	J1	J2	K3	Q141	R101, 102		
U.S.A.	K	0-11		NO	220P	NO	4700u75	3300u42	YES	RBV-602LFA	UDZ6.8B	UDZ16B	UDZ13B	NO	NO	STK412-010A	STK413-010A	NO	LEVER	4P	NO	NO	NO		
CANADA	P	0-10	NO	YES	220P	NO	4700u75	3300u42	YES	DSSBA20F03	UDZ6.8B	UDZ16B	UDZ13B	YES	YES	STK412-010A	STK413-010A	NO	LEVER	4P	NO	NO	NO		
KRF-V5030D (X07-314X-XX)/KRF-V4530D/V5030DE/V5030D-S (X07-3142-71)																									
DESTINATION COUNTRY	UNIT No.	(A)	(B)	(C)	C101, 102	C103,104, 199,202,269	C231, 232	C233, 234	C255, 256	D103	D108	D109	D110	D125, 126	D129	IC101	IC102	IC113, 114	J1	J2	K3	Q141	R101, 102		
GENERAL MARKET	M	0-21		YES	39P	YES	NO	4700u75	3300u42	RBV-602LFA	UDZ6.8B	UDZ16B	UDZ13B	YES	NO	STK412-010A	STK413-010A	NO	LEVER	4P	NO	NO	NO		
MALAYSIA	I																								
AUSTRALIA	X	0-71																							
KRF-V5030D (X07-314X-XX)																									
DESTINATION COUNTRY	UNIT No.	(A)	(B)	(C)	C101, 102	C103,104, 199,202,269	C231, 232	C233, 234	C255, 256	D103	D108	D109	D110	D125, 126	D129	IC101	IC102	IC113, 114	J1	J2	K3	Q141	R101, 102		
GENERAL MARKET	M	0-21		YES	39P	YES	NO	4700u75	3300u42	RBV-602LFA	UDZ6.8B	UDZ16B	UDZ13B	YES	NO	STK412-010A	STK413-010A	NO	LEVER	4P	NO	NO	NO		
PX	Y	2-91																							
EUROPE	E	2-71																							
U.K.	T	0-51																							
KRF-V6030D/V6030DE (X07-3132-72)																									
DESTINATION COUNTRY	UNIT No.	(A)	(B)	(C)	C101, 102	C103,104, 199,202,269	C231, 232	C233, 234	C255, 256	D103	D108	D109	D110	D125, 126	D129	IC101	IC102	IC113, 114	J1	J2	K3	Q141	R101, 102		
GENERAL MARKET	M	0-21		YES	39P	YES	NO	4700u75	3300u42	RBV-602LFA	UDZ6.8B	UDZ16B	UDZ13B	YES	NO	STK412-010A	STK413-010A	NO	LEVER	4P	NO	NO	NO		
MALAYSIA	I																								
AUSTRALIA	X	0-71																							
KRF-V6030D-S (X07-313X-XX)																									
DESTINATION COUNTRY	UNIT No.	(A)	(B)	(C)	C101, 102	C103,104, 199,202,269	C231, 232	C233, 234	C255, 256	D103	D108	D109	D110	D125, 126	D129	IC101	IC102	IC113, 114	J1	J2	K3	Q141	R101, 102		
GENERAL MARKET	M	0-22		YES	39P	YES	NO	4700u75	3300u42	RBV-602LFA	UDZ6.8B	UDZ16B	UDZ13B	YES	NO	STK412-010A	STK413-010A	NO	LEVER	4P	NO	NO	NO		
MALAYSIA	I																								
AUSTRALIA	X	0-72																							
VR-414 (X07-3140-11)																									
DESTINATION COUNTRY	UNIT No.	(A)	(B)	(C)	C101, 102	C103,104, 199,202,269	C231, 232	C233, 234	C255, 256	D103	D108	D109	D110	D125, 126	D129	IC101	IC102	IC113, 114	J1	J2	K3	Q141	R101, 102		
U.S.A.	K	0-11		NO	0.1	YES	NO	1SS133 or HSS104A	F50-0077 8A	NO	YES	NO	E03-0148 S76-0099	YES	30K 1/4W	10 1/4W	27 1/4W	YES	L07-2758 or L07-2761	YES	NO	NO	NO		
CANADA	P	0-10	NO	0.1	YES	NO	1SS133 or HSS104A	F50-0077 8A	NO	YES	NO	E03-0148 S76-0099	YES	30K 1/4W	10 1/4W	27 1/4W	YES	L07-2758 or L07-2761	YES	NO	NO	NO			
VR-405 (X07-3140-10)																									
DESTINATION COUNTRY	UNIT No.	(A)	(B)	(C)	C101, 102	C103,104, 199,202,269	C231, 232	C233, 234	C255, 256	D103	D108	D109	D110	D125, 126	D129	IC101	IC102	IC113, 114	J1	J2	K3	Q141	R101, 102		
U.S.A.	K	0-11		NO	0.1	YES	NO	1SS133 or HSS104A	F50-0076 6.3A	NO	YES	NO	E03-0148 S76-0099	YES	30K 1/4W	10 1/4W	27 1/4W	YES	L07-2758 or L07-2761	YES	NO	NO	NO		
CANADA	P	0-10	NO	0.1	YES	NO	1SS133 or HSS104A	F50-0076 6.3A	NO	YES	NO	E03-0148 S76-0099	YES	30K 1/4W	10 1/4W	27 1/4W	YES	L07-2758 or L07-2761	YES	NO	NO	NO			
KRF-V5030D-S (X07-314X-XX)																									
DESTINATION COUNTRY	UNIT No.	(A)	(B)	(C)	C101, 102	C103,104, 199,202,269	C231, 232	C233, 234	C255, 256	D103	D108	D109	D110	D125, 126	D129	IC101	IC102	IC113, 114	J1	J2	K3	Q141	R101, 102		
GENERAL MARKET	M	0-21		YES	0.068	NO	YES	NO	RB721Q	F05-3121 T3.15AL	NO	YES	E03-0149 S76-0099	NO	20K 1/4W	NO	2.2 1/4W	NO	L07-2805	NO	YES	NO	YES		
MALAYSIA	I									RB721Q	F05-3121 T3.15AL	NO	YES	E03-0149 S76-0099	NO	180K 1/4W	39 1/4W	180 1/4W	NO	L07-2758 or L07-2761	NO	NO	YES		

I	IC102	IC113, 114	J1	J2	K3	Q141	R101, 102,284	R115, 116	R187,188, 233,234,262	R203,204,247, 248,268	R279, 280	R322	R324, 325	TH1	W56,128,334, 335,337	W339
020A	STK413-020A	NO	SCREW	8P	YES	YES	YES	100	1.8K	9.1K	33K	18K	75K	NO	NO	YES

I	IC102	IC113, 114	J1	J2	K3	Q141	R101, 102	R115, 116	R187,188, 233,234,262	R203,204,247, 248,268	R279, 280	R284	R322	R324, 325	TH1	W56,128,334, 335,337	W339
020A	STK413-020A	NO	SCREW	8P	YES	YES	YES	100	2.4K	9.1K	33K	NO	18K	75K	YES	NO	YES

I	IC102	IC113, 114	J1	J2	K3	Q141	R101, 102	R115, 116	R187,188, 233,234,262	R203,204,247, 248,268	R279, 280	R284	R322	R324, 325	TH1	W56,128,334, 335,337	W339
020A	STK413-020A	NO	SCREW	8P	YES	YES	YES	100	1.8K	9.1K	33K	NO	18K	75K	YES	NO	YES

I	IC102	IC113, 114	J1	J2	K3	Q141	R101, 102	R115, 116	R187,188, 233,234,262	R203,204,247, 248,268	R279, 280	R284	R322	R324, 325	TH1	W56,128,334, 335,337	W339
10A	STK413-010A	NO	LEVER	4P	NO	NO	NO	1K	2.2K	11K	33K	YES	10K	75K	NO	YES	NO

I	IC102	IC113, 114	J1	J2	K3	Q141	R101, 102	R115, 116	R187,188, 233,234,262	R203,204,247, 248,268	R279, 280	R284	R322	R324, 325	TH1	W56,128,334, 335,337	W339
0A	STK413-010A	NO	LEVER	4P	NO	NO	YES	100	2.2K	11K	33K	NO	10K	75K	YES	YES	NO

I	IC102	IC113, 114	J1	J2	K3	Q141	R101, 102	R115, 116	R187,188, 233,234,262	R203,204,247, 248,268	R279, 280	R284	R322	R324, 325	TH1	W56,128,334, 335,337	W339
0A	STK413-010A	NO	LEVER	4P	NO	NO	YES	100	2.2K	11K	33K	NO	10K	75K	YES	YES	NO

I	IC102	IC113, 114	J1	J2	K3	Q141	R101, 102	R115, 116	R187,188, 233,234,262	R203,204,247, 248,268	R279, 280	R284	R322	R324, 325	TH1	W56,128,334, 335,337	W339
0A	STK413-010A	NO	LEVER	4P	NO	NO	YES	100	2.7K	11K	33K	NO	10K	75K	YES	YES	NO

3.75	W63, 250
/ES	NO

T1	W23,63, 250,251	W75
-2758 or L07-2761	NO	YES

3.75	W63, 250
/ES	NO

3.75	W63, 251
/ES	NO

3.75	W63, 251
/ES	NO

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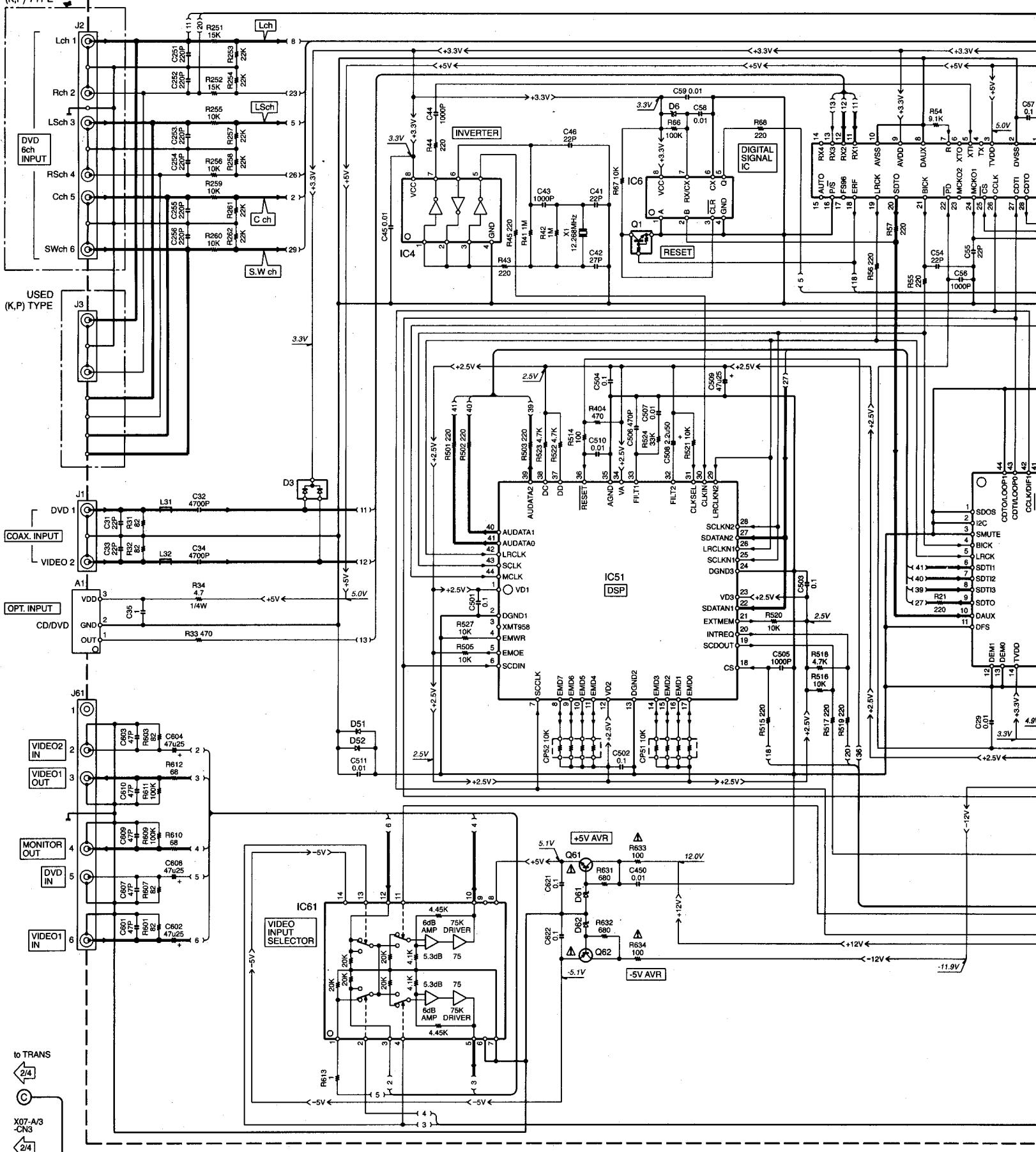
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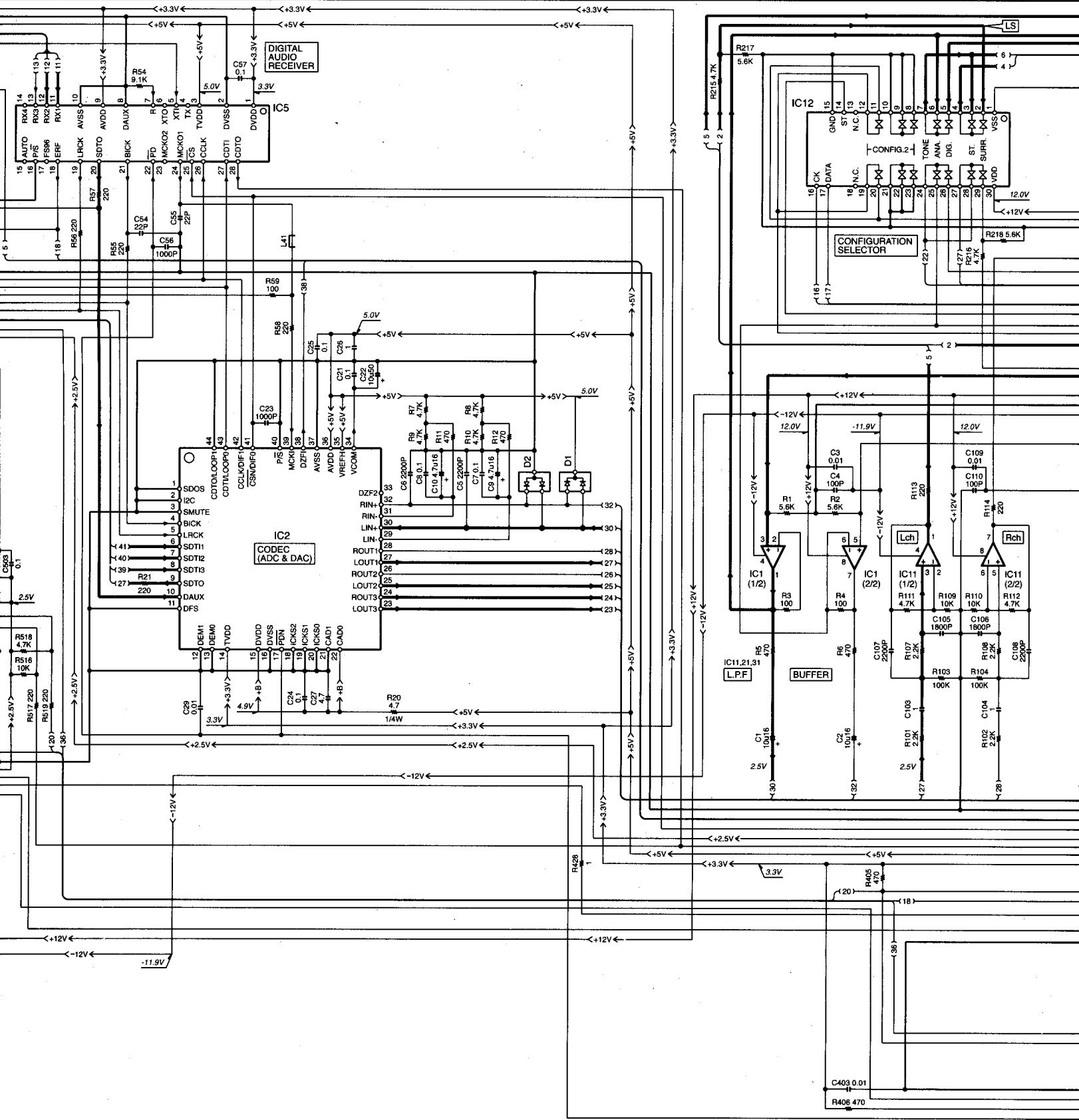
EXCEPT USED (X08-3010-10) (A/3)
(K,P) TYPE

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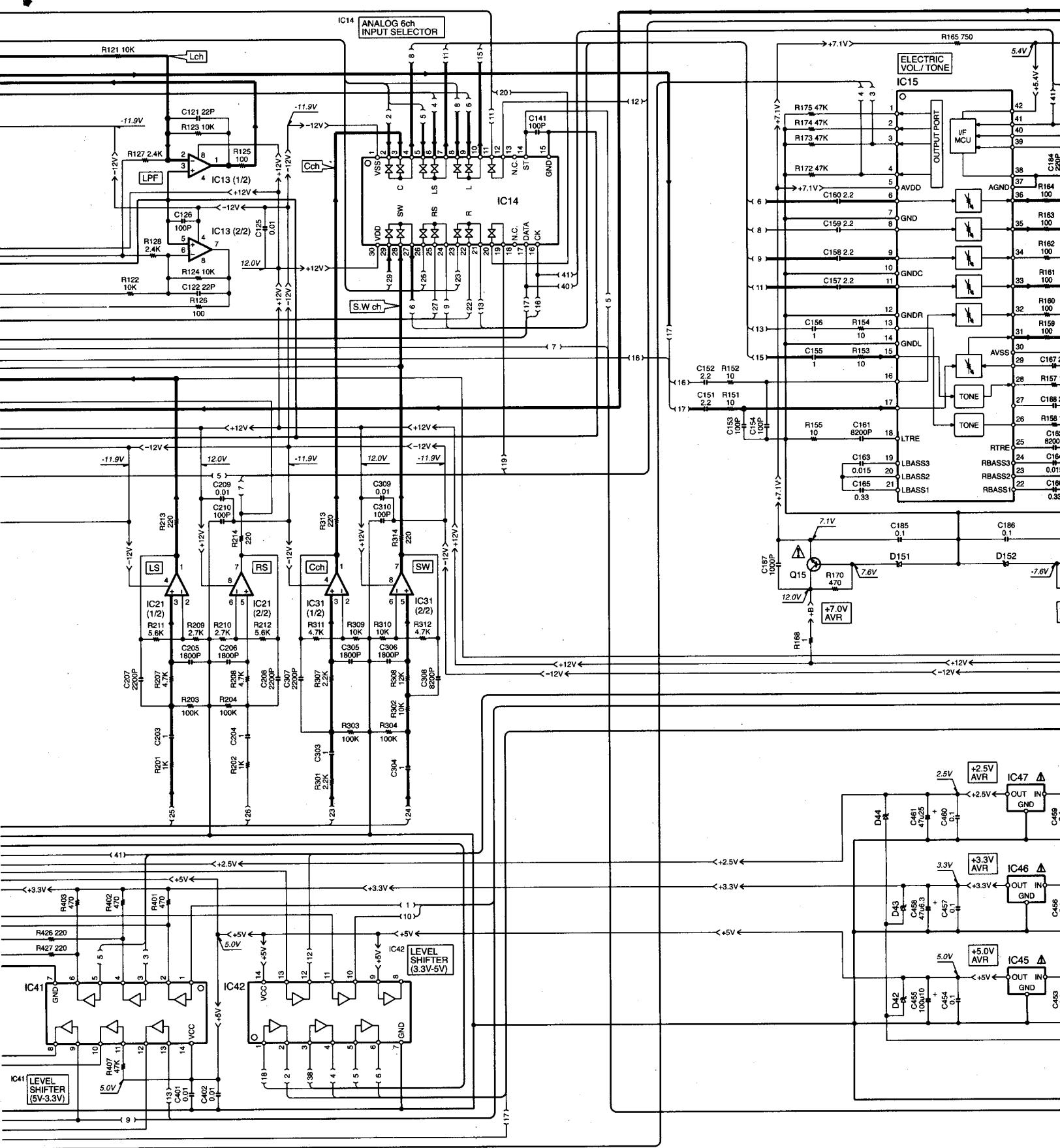
to TRANS

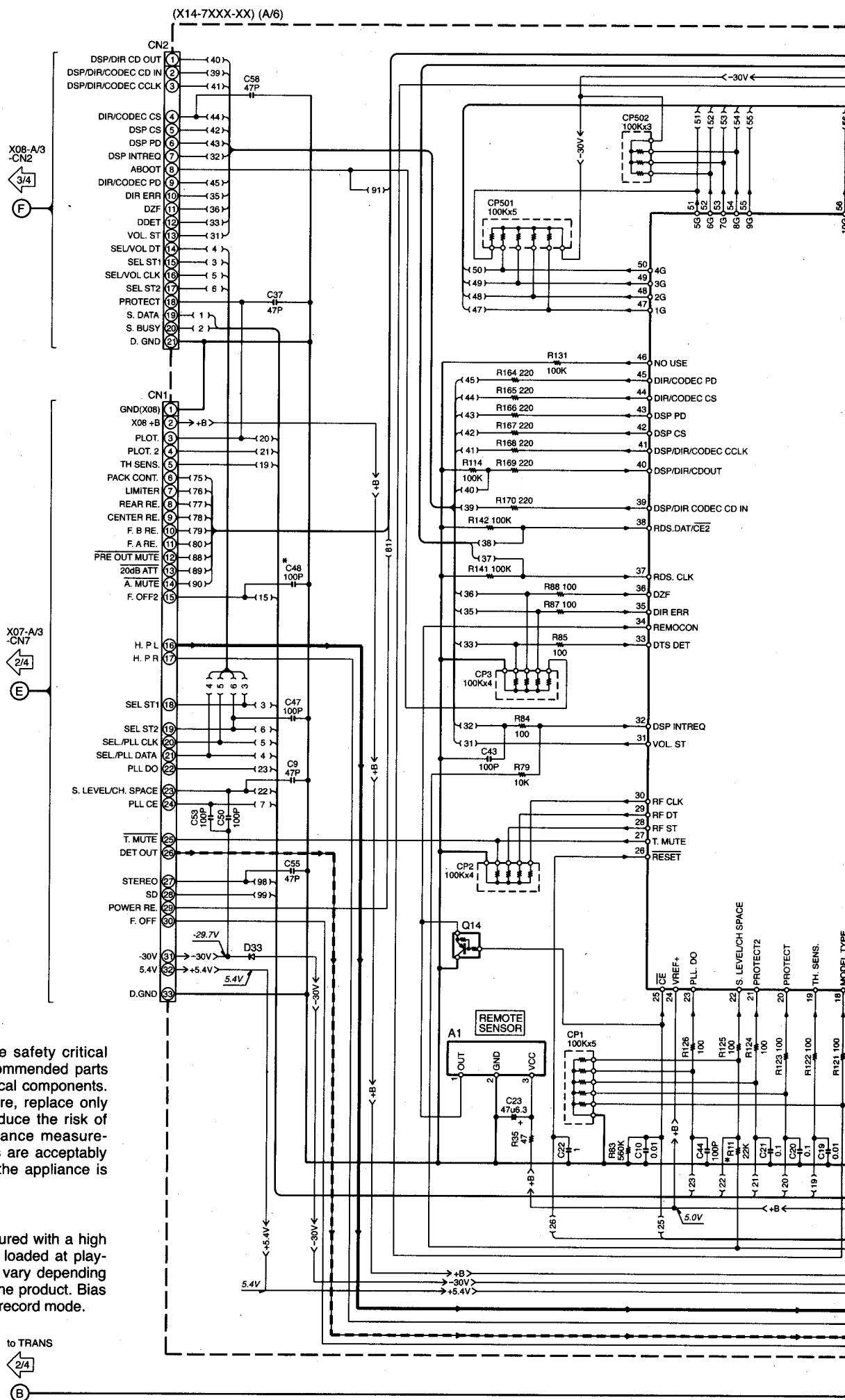
X07-A3-CN3

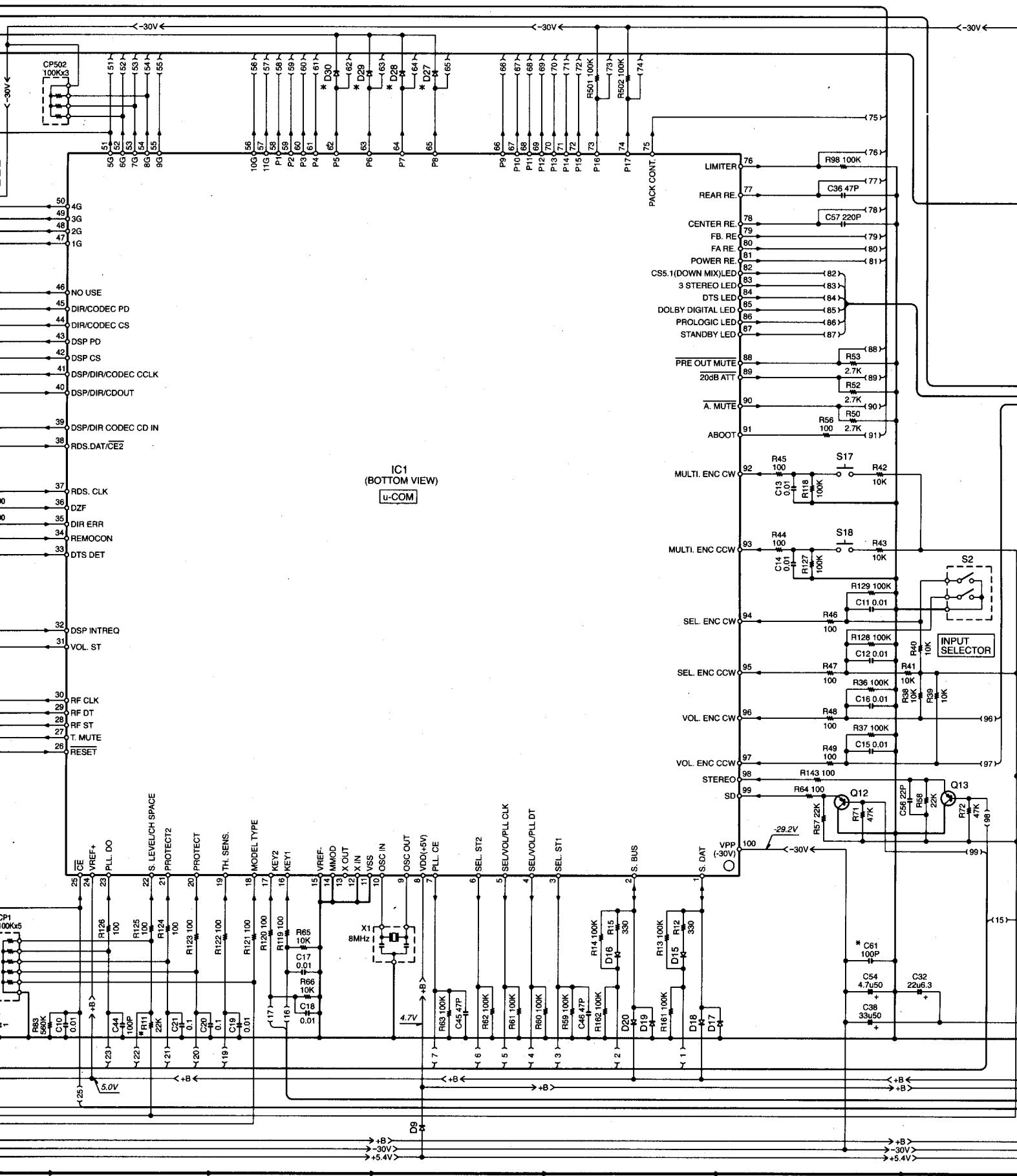
D

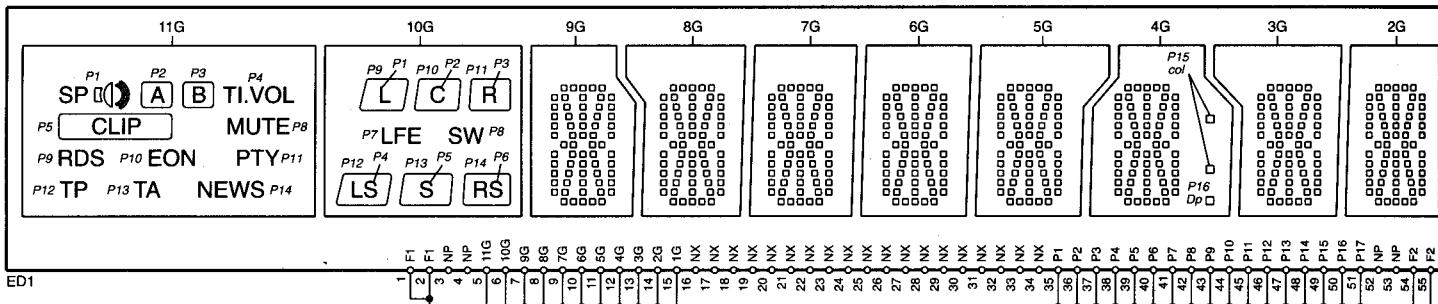


(X08-3010-10) (A/3)

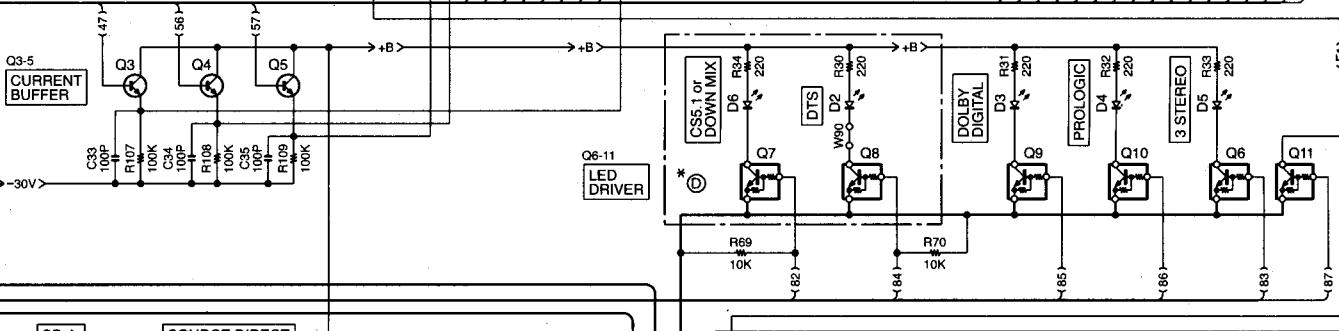








ED1



Q3-5 CURRENT BUFFER

Q6-11 LED DRIVER

Q8-11 CS5.1 or DOWN MIX

DTS D2 R30 220

DOLBY DIGITAL D3 R31 220

PROLOGIC D4 R32 220

3 STEREO D5 R33 220

Q11

Q10

Q9

Q8

Q7

R69 10K

R70 10K

R82

R85

R86

R87

R88

R89

R90

R91

R92

R93

R94

R95

R96

R97

R98

R99

R100

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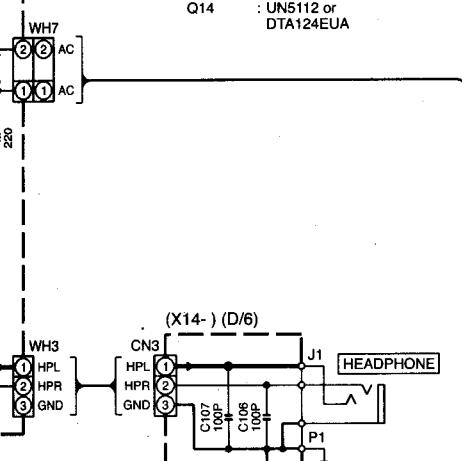
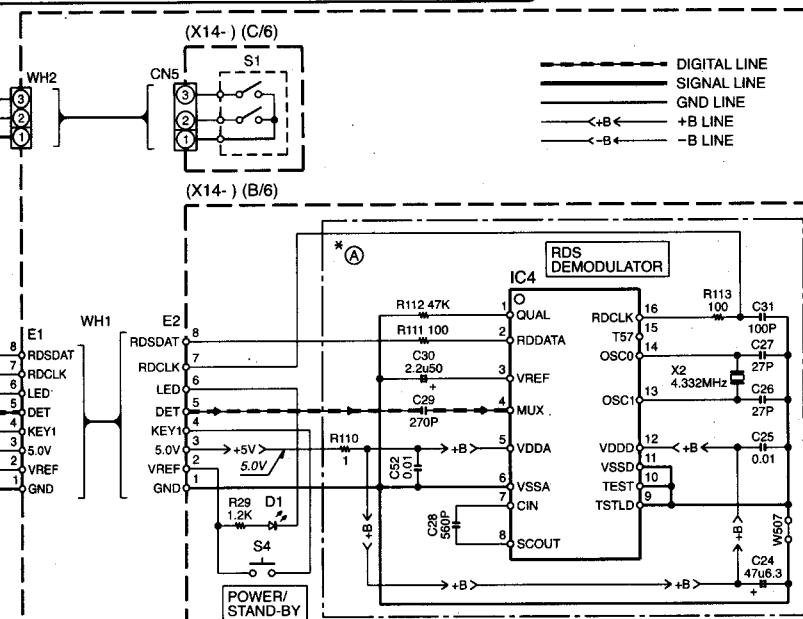
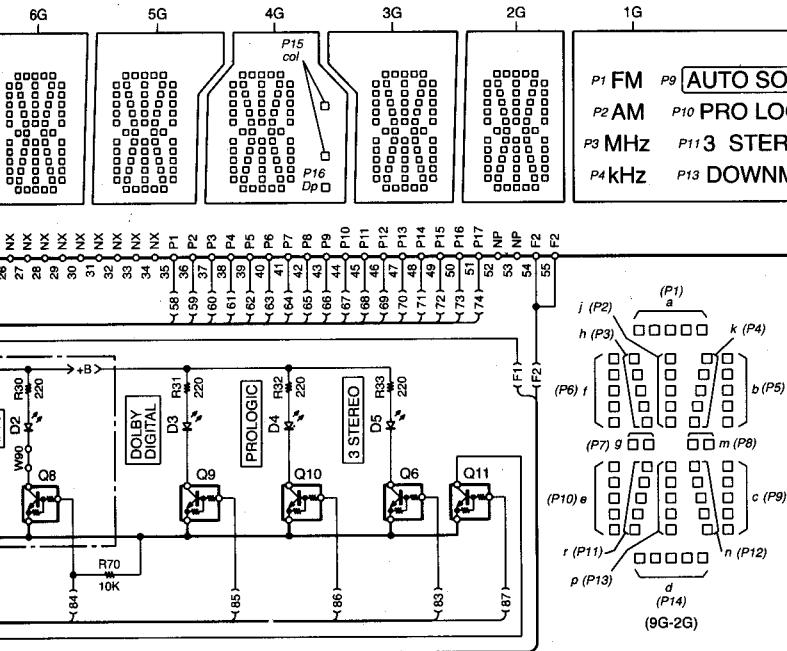
R226

R227

R228

R229

R220



VR-406 (X14-7120-10)								
DESTINATION	UNIT No.	(A)	(B)	(C)	(D)	C1	C40,41,42, 46,51,51	C49.
COUNTRY	ABB.	0-10			NO	330u6.3	NO	YES
U.S.A.	K							
CANADA	P							

DESTINATION COUNTRY	ABB	D13, 27	D24, 28-30,35,36	IC3	IC5, 6	R11,51 67,68	R54, 55	R69, 70	W33,36 505
U.S.A.	K	YES	NO	YES	NO	NO	NO	YES	NO
CANADA	P								

KRF-V6030D (X14-7122-71) : KRF-V6030DE (X14-7122-71)

DESTINATION	UNIT No.	(A)	(B)	(C)	(D)	C1	C40, 61	C41,42,48 49,51
COUNTRY	ABB.							
EUROPE	E	2-71	YES	NO	100u10	YES	NO	

DESTINATION COUNTRY	ABB.	D13,29, 35,36	D24,27, 28,30	IC3	IC5, 6	R11,51 67,68	R54, 55	R69, 70	W33 505	W36 505
EUROPE	E	NO	YES	YES	NO	NO	NO	YES	YES	NO

KRF-V6030D-S (X14-712X-XX)

VR-405/414 (X14-7120-11)

DESTINATION COUNTRY	ABB.	D13	D24,27-30, 35,36	IC3	IC5, 6	R11,51, 67,86	R54, 55	R69, 70	W33,36, 505
U.S.A.	K	YES	NO	YES	NO	NO	NO	YES	NO
CANADA	P								

KRF-V5030D-S (X14-712X-XX) : KRF-V4530D, KRF-V5030D (X14-712X-XX)

DESTINATION	UNIT No.	(A)	(B)	(C)	C1	C40	C41, 48, 51	C42	C49	C61
COUNTRY	ABB.									
GENERAL MARKET	M	0-22	NO	NO	YES		YES	YES	NO	NO
MALAYSIA	I					100u10	YES			
AUSTRALIA	X	0-72			NO		NO			

EUROPE	E	Z/Z	YES			NO		YES							
DESTINATION COUNTRY	ABB	D13, 27	D24	D28	D29	D30	D35, 36	IC3	IC5, 6	R11, 51 67, 68	R54, 55	R69, 70	W33	W36	W505
GENERAL MARKET	M	NO	YES	NO	NO	YES	YES	NO	YES	YES	10K	YES	YES	YES	YES
MALAYSIA	I	YES		YES											
AUSTRALIA	X			NO	YES		NO	YES	NO	NO	4.7K			NO	NO
EUROPE	F										NO				

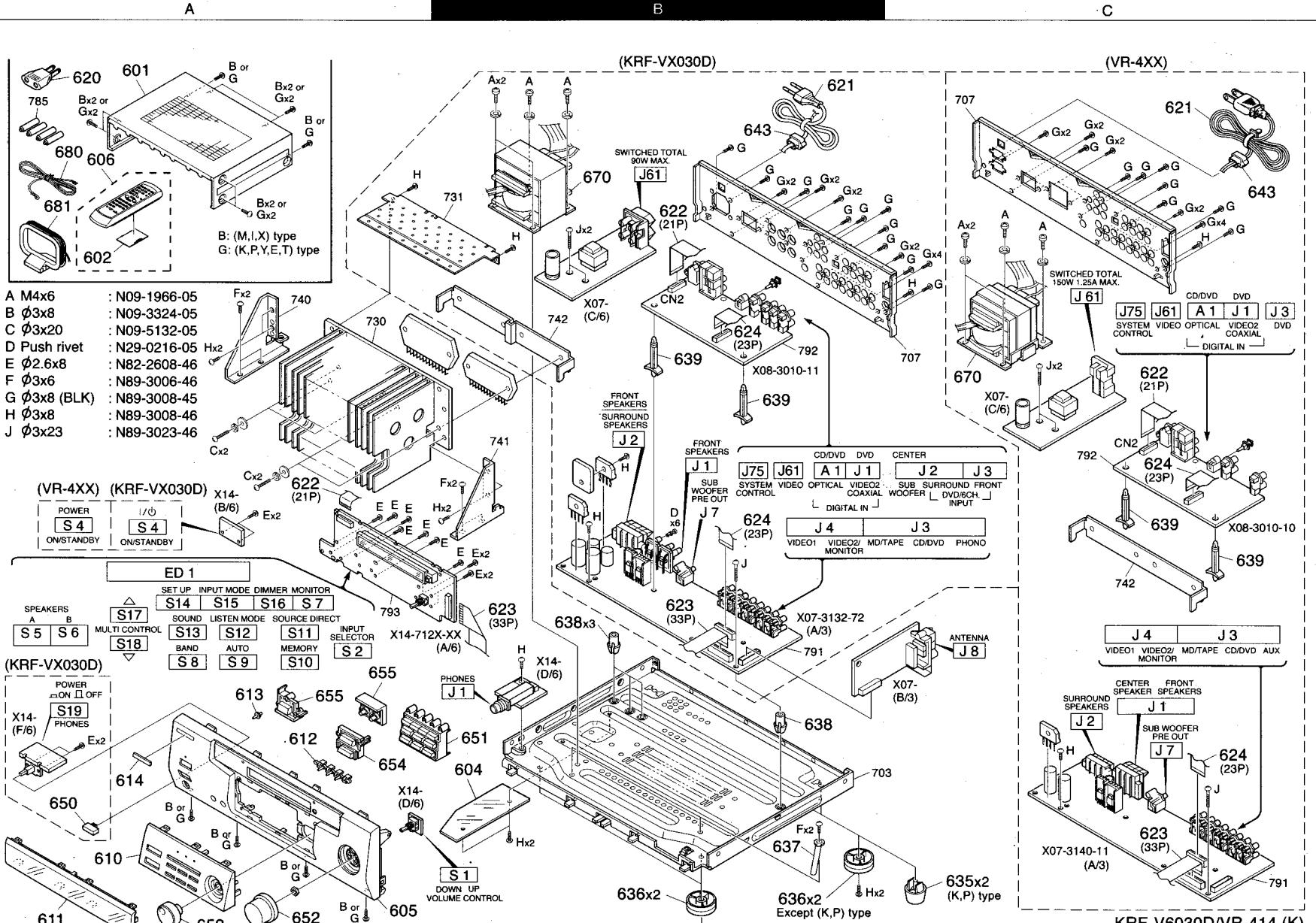
KRF-V5030D (X14-712X-XX)

DESTINATION COUNTRY	ABB.	UNIT No.	(A)	(B)	(C)	C1	C40	C41,42, 48,51	C49	C61
PX	Y	0-22	NO	YES				YES	NO	
U.K.	T	2-72	YES	NO	NO	100u10	YES	NO	NO	YES

DESTINATION COUNTRY	ABB.	D13, 27-29	D24, 30	D28	D35, 36	IC3	IC5, 6	R11,51, 67,86	R30, 34	R54, 55	R69, 70	W33	W366 505
PX	Y	NO	NO	YES	NO	YES	YES	NO	10K	YES	YES	YES	YES

VR-405/406/414 (4/4)
KRF-V5030D/V5030D-S/V5030DE (4/4)
KRF-V4530D (4/4)
KRF-V6030D/V6030D-S/V6030DE (4/4)

KRF-V4530D/V5030D/V6030D/V-R-405/406/414 EXPLODED VIEW (UNIT)



PARTS LIST

2

* New Parts

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1

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Ref. No	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks
KRF-V6030D/VR-406 (Y05-4020-10)						
601	1A	*	A01-3733-01	METALLIC CABINET	KPE	
601	1A	*	A01-3734-01	METALLIC CABINET	MIX	
602	1A	*	A09-1178-08	BATTERY COVER		
604	2B	*	A46-0309-04	REAR COVER		
605	2A	*	A60-1740-11	PANEL	KP	
605	2A	*	A60-1757-11	PANEL	MIX	
605	2A	*	A60-1758-11	PANEL	E	
606	1A	*	A70-1330-05	REMOTE CONTROL(RC-R0609)	KPMIX	
606	1A	*	A70-1331-05	REMOTE CONTROL(RC-R0610)	E	
610	2A	*	B07-2477-02	ESCUTCHEON	KPE	
610	2A	*	B07-2478-02	ESCUTCHEON	MIX	
611	2A	*	B10-3549-02	FRONT GLASS	KP	
611	2A	*	B10-3550-02	FRONT GLASS	MIX	
611	2A	*	B10-3551-02	FRONT GLASS	E	
612	2A	*	B12-0384-04	INDICATOR		
613	2A	*	B12-0385-04	INDICATOR		
614	2A	*	B43-0314-04	KENWOOD BADGE		
			B46-0096-53	WARRANTY CARD	X	
			B46-0310-03	WARRANTY CARD	E	
			B46-0328-03	WARRANTY CARD	K	
			B46-0346-00	QUESTIONNAIRE CARD	K	
			B46-0347-03	WARRANTY CARD	P	
			B58-0964-13	CAUTION CARD (UL)	K	
			B58-0965-13	CAUTION CARD (PL)	X	
			B58-0966-13	CAUTION CARD (PL)	MIE6	
			B58-0967-03	CAUTION CARD (PL)	P	
			B58-1607-03	CAUTION CARD	E7	
		*	B60-4598-00	INSTRUCTION MANUAL(EN)	KPMIX	
		*	B60-4599-00	INSTRUCTION MANUAL(FR)	P	
		*	B60-4600-00	INSTRUCTION MANUAL(TC)	MI	
		*	B60-4602-00	INSTRUCTION MANUAL(EN)	E7	
		*	B60-4603-00	INSTRUCTION MANUAL(ES)	ME6	
		*	B60-4604-00	INSTRUCTION MANUAL(FR/GE)	E6	
		*	B60-4605-00	INSTRUCTION MANUAL(IT/NE)	E6	
		*	B60-4606-00	INSTRUCTION MANUAL(RU/PL)	E7	
		*	B60-4607-00	INSTRUCTION MANUAL(CZ/HU)	E7	
		*	B60-4617-00	INSTRUCTION MANUAL(EN(R))	KPMIX	
		*	B60-4618-00	INSTRUCTION MANUAL(FR(R))	P	
		*	B60-4619-00	INSTRUCTION MANUAL(ES(R))	M	
		*	B60-4620-00	INSTRUCTION MANUAL(TC(R))	MI	
		*	B60-4622-00	INSTRUCTION MANUAL(5-L(R))	E6	
		*	B60-4623-00	INSTRUCTION MANUAL(5-L(R))	E7	
△ 620	1A		E03-0115-05	AC PLUG ADAPTER	MI	
△ 621	1B		E30-2717-05	AC POWER CORD	X	
△ 621	1B	*	E30-2941-05	AC POWER CORD	KP	
△ 621	1B	*	E30-2942-05	AC POWER CORD	MIE	
622	1A,1B	*	E35-2455-05	FLAT CABLE (21P)		
623	2B	*	E35-2456-05	FLAT CABLE (33P)		
624	1B,2B	*	E35-2480-05	FLAT CABLE (23P)		
		*	G10-0536-04	NON-WOVEN FABRIC		
		*	G11-2416-04	CUSHION		

Ref. No	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks
		*	H10-7628-02	POLYSTYRENE FOAMED FIXTURE		
		*	H10-7629-02	POLYSTYRENE FOAMED FIXTURE		
			H25-0232-04	PROTECTION BAG (235X350X0.03)		
			H25-0391-04	PROTECTION BAG		
		*	H50-3607-04	ITEM CARTON CASE	KP	
		*	H50-3608-04	ITEM CARTON CASE	E6	
		*	H50-3609-04	ITEM CARTON CASE	X	
		*	H50-3610-04	ITEM CARTON CASE	MI	
		*	H50-3651-04	ITEM CARTON CASE	E7	
635	2C		J02-1013-05	FOOT		
636	2B	*	J02-1464-03	FOOT		
637	2B		J19-2808-05	HOLDER		
638	2B		J19-3752-14	UNIT HOLDER		
639	1B		J19-5919-05	UNIT HOLDER		
△ 643	1B		J42-0083-05	POWER CORD BUSHING		
			J61-0307-05	WIRE BAND		
650	2A	*	K27-2384-04	KNOB (BUTTON)	E	
650	2A	*	K27-2385-04	KNOB (BUTTON)	MIX	
651	2B	*	K29-7675-12	KNOB	KPE	
651	2B	*	K29-7676-12	KNOB	MIX	
652	2A	*	K29-7678-04	KNOB	KPE	
652	2A	*	K29-7679-04	KNOB	MIX	
653	2A	*	K29-7681-14	KNOB	KPE	
653	2A	*	K29-7682-14	KNOB	MIX	
654	2A	*	K29-7684-03	KNOB	KPE	
654	2A	*	K29-7685-03	KNOB	MIX	
△ 670	1B	*	L07-2787-05	POWER TRANSFORMER	KP	
△ 670	1B	*	L07-2788-05	POWER TRANSFORMER	MI	
△ 670	1B	*	L07-2789-05	POWER TRANSFORMER	X	
△ 670	1B	*	L07-2790-05	POWER TRANSFORMER	E	
680	1A	*	T90-0836-05	LEAD WIRE ANTENNA		
681	1A	*	T90-0852-05	LOOP ANTENNA		
KRF-V5030D/KRF-V4530D/VR-405/VR-414 (Y05-4050-10)						
601	1A	*	A01-3733-01	METALLIC CABINET	E1E2E4	
601	1A	*	A01-3733-01	METALLIC CABINET	KPYT	
601	1A	*	A01-3734-01	METALLIC CABINET	E3	
601	1A	*	A01-3734-01	METALLIC CABINET	MIX	
602	1A	*	A09-1178-08	BATTERY COVER		
604	2B	*	A46-0309-04	REAR COVER		
605	2A	*	A60-1759-01	PANEL	KP	
605	2A	*	A60-1760-11	PANEL	MIXE3	
605	2A	*	A60-1761-11	PANEL	E1E2E4	
605	2A	*	A60-1761-11	PANEL	YT	
606	1A	*	A70-1328-05	REMOTE CONTROL(RC-R0509)		
606	1A	*	A70-1329-05	REMOTE CONTROL(RC-R0510)	KPYMIX	
610	2A	*	B07-2477-02	ESCUUTCHEON	E1E2E4	
610	2A	*	B07-2477-02	ESCUUTCHEON	KPYT	
610	2A	*	B07-2478-02	ESCUUTCHEON	MIXE3	
611	2A	*	B10-3552-02	FRONT GLASS	K5P5	
611	2A	*	B10-3553-02	FRONT GLASS	YMX	

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Ref. No	Address	New Parts	Parts No.	Description	Destination	Remarks
611	2A	*	B10-3574-02	FRONT GLASS	E1E2E3	
611	2A	*	B10-3574-02	FRONT GLASS	T	
611	2A	*	B10-3575-02	FRONT GLASS	K4P4	
611	2A	*	B10-3605-02	FRONT GLASS	E4	
612	2A	*	B12-0384-04	INDICATOR		
613	2A	*	B12-0385-04	INDICATOR		
614	2A	*	B43-0314-04	KENWOOD BADGE		
			B46-0096-53	WARRANTY CARD	X	
			B46-0310-03	WARRANTY CARD	ET	
			B46-0328-03	WARRANTY CARD	KY	
			B46-0346-00	QUESTIONNAIRE CARD	K	
			B46-0347-03	WARRANTY CARD	P	
			B58-0513-04	CAUTION CARD (PRESET220-240)	Y	
			B58-0945-03	CAUTION CARD	T	
			B58-0964-13	CAUTION CARD (UL)	KY	
			B58-0965-13	CAUTION CARD (PL)	XT	
			B58-0966-13	CAUTION CARD (PL)	E1E3E4	
			B58-0966-13	CAUTION CARD (PL)	MI	
		*	B58-0967-03	CAUTION CARD (L)	P	
		*	B58-1607-03	CAUTION CARD	E2	
		*	B59-1104-00	SERVICE DIRECTORY	Y	
		*	B60-4598-00	INSTRUCTION MANUAL(EN)	KPYMIX	
		*	B60-4599-00	INSTRUCTION MANUAL(FR)	P	
		*	B60-4600-00	INSTRUCTION MANUAL(TC)	MI	
		*	B60-4602-00	INSTRUCTION MANUAL(EN)	T1E2	
		*	B60-4603-00	INSTRUCTION MANUAL(ES)	E1E3E4	
		*	B60-4603-00	INSTRUCTION MANUAL(ES)	M	
		*	B60-4604-00	INSTRUCTION MANUAL(FR/GE)	E1E3E4	
		*	B60-4605-00	INSTRUCTION MANUAL(IT/NE)	E1E3E4	
		*	B60-4606-00	INSTRUCTION MANUAL(RU/PL)	E2	
		*	B60-4607-00	INSTRUCTION MANUAL(CZ/HU)	E2	
△ 620	1A		E03-0115-05	AC PLUG ADAPTER	MI	
△ 621	1C		E30-2605-05	AC POWER CORD	Y	
△ 621	1C		E30-2717-05	AC POWER CORD	X	
△ 621	1C		E30-2721-05	AC POWER CORD	T	
△ 621	1C	*	E30-2941-05	AC POWER CORD	KP	
△ 621	1C	*	E30-2942-05	AC POWER CORD	MIE	
622	1A,1C	*	E35-2455-05	FLAT CABLE (21P)		
623	2B,2C	*	E35-2456-05	FLAT CABLE (33P)		
624	1C,2C	*	E35-2480-05	FLAT CABLE (23P)		
			G10-0536-04	NON-WOVEN FABRIC CUSHION		
			G11-2416-04			
		*	H10-7628-02	POLYSTYRENE FOAMED FIXTURE		
		*	H10-7629-02	POLYSTYRENE FOAMED FIXTURE		
		*	H25-0232-04	PROTECTION BAG (235X350X0.03)		
		*	H25-0232-04	PROTECTION BAG (235X350X0.03)		
		*	H25-0391-04	PROTECTION BAG		
		*	H25-0651-04	PROTECTION BAG		
		*	H50-3611-04	ITEM CARTON CASE	T	
		*	H50-3612-04	ITEM CARTON CASE	K5P5	
		*	H50-3613-04	ITEM CARTON CASE	YE1T	
		*	H50-3614-04	ITEM CARTON CASE	XE3	
		*	H50-3615-04	ITEM CARTON CASE	MI	

L:Scandinavia K:USA P:Canada R:Mexico C:China I:Malaysia
Y:PX(Far East,Hawaii) T:England E:Europe G:Germany V:China(Shanghai)
Y:AAFES(Europe) X:Australia Q:Russia H:Korea M:Other Areas △ indicates safety critical components.

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Ref. No	Address	New Parts	Parts No.	Description	Destination	Remarks
		*	H50-3661-04	ITEM CARTON CASE	E2	
		*	H50-3734-04	ITEM CARTON CASE	E4	
635	2C	*	J02-1013-05	FOOT		
636	2B	*	J02-1464-03	FOOT	KP	
637	2B	*	J19-2808-05	HOLDER		
638	2B	*	J19-3752-14	UNIT HOLDER		
639	2C	*	J19-5919-05	UNIT HOLDER		
△ 643	1C		J42-0083-05	POWER CORD BUSHING	E1E2E4	
			J61-0307-05	WIRE BAND	YT	
		*	K27-2384-04	KNOB (BUTTON)	MIXE3	
		*	K27-2384-04	KNOB (BUTTON)	E1E2E4	
		*	K27-2385-04	KNOB (BUTTON)	KPYT	
		*	K29-7675-12	KNOB	MIXE3	
		*	K29-7675-12	KNOB	E1E2E4	
		*	K29-7676-12	KNOB	KPYT	
		*	K29-7678-04	KNOB	MIXE3	
		*	K29-7678-04	KNOB	E1E2E4	
		*	K29-7679-04	KNOB	KPYT	
		*	K29-7681-14	KNOB	MIXE3	
		*	K29-7681-14	KNOB	E1E2E4	
		*	K29-7682-14	KNOB	KPYT	
		*	K29-7684-03	KNOB	MIXE3	
		*	K29-7684-03	KNOB	E1E2E4	
		*	K29-7685-03	KNOB	KPYT	
		*	K29-7687-03	KNOB	MIXE3	
		*	K29-7687-03	KNOB	E1E2E4	
		*	K29-7688-03	KNOB	KPYT	
△ 670	1C	*	L07-2794-05	POWER TRANSFORMER	K5P5	
△ 670	1C	*	L07-2795-05	POWER TRANSFORMER	YMI	
△ 670	1C	*	L07-2796-05	POWER TRANSFORMER	X	
△ 670	1C	*	L07-2797-05	POWER TRANSFORMER	E	
		*	L07-2800-05	POWER TRANSFORMER	K4P4	
680	1A	*	T90-0836-05	LEAD WIRE ANTENNA		
681	1A	*	T90-0852-05	LOOP ANTENNA		
POWER SUPPLY (X00-3000-20) Y,M,I type only						
CN1			E40-8386-05	PIN ASSY		
△ F3			F05-3121-05	FUSE (SEMKO) (250V T3.15AL)		
CN2,3			J13-0075-05	FUSE CLIP		
△ S1			S62-0001-05	SLIDE SWITCH		
POWER AMP (X07-3130-11, X07-3140-10)						
C1			CK73FB1H223K	CHIP C	0.022UF	K
C2			CK73FB1H103K	CHIP C	0.010UF	K
C3			CK73FB1H103K	CHIP C	0.010UF	K
C4			CC73FCH1H331J	CHIP C	330PF	J
C5 ,6			CK73FB1H103K	CHIP C	0.010UF	K
C7			CE04LW1C470M	ELECTRO	47UF	16WV
C8			CK73EB1H103K	CHIP C	0.010UF	K
C9			CC73FCH1H102J	CHIP C	1000PF	J
C10			CE04LW1C470M	ELECTRO	47UF	16WV
C11 ,12			CK73FB1H473K	CHIP C	0.047UF	K

L:Scandinavia K:USA P:Canada R:Mexico C:China I:Malaysia
Y:PX(Far East,Hawaii) T:England E:Europe G:Germany V:China(Shanghai)
Y:AAFES(Europe) X:Australia Q:Russia H:Korea M:Other Areas △ indicates safety critical components.

PARTS LIST

KRF-V4530D/V5030D/V6030D/VR-405/406/414

PARTS LIST

5

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Ref. No	Add- ress	New Parts	Parts No.	Description			Desti- nation	Re- marks
C14			CE04LW1C100M	ELECTRO	10UF	16WV		
C15			CE04LW1H010M	ELECTRO	1.0UF	50WV		
C16			CE04RW1HR47M	ELECTRO	0.47UF	50WV		
C17			CE04LW1H010M	ELECTRO	1.0UF	50WV		
C18			CC73FCH1H470J	CHIP C	47PF	J		
C19			CE04RW1A100M	ELECTRO	10UF	10WV		
C20			CK73FB1H473K	CHIP C	0.047UF	K		
C21			CE04RW1V3R3M	ELECTRO	3.3UF	35WV		
C22			CK73FB1H473K	CHIP C	0.047UF	K		
C23			CE04LW1C100M	ELECTRO	10UF	16WV		
C24			CK73FB1H331K	CHIP C	330PF	K		
C25			CC73FCH1H181J	CHIP C	180PF	J	ET	
C25			CC73FCH1H471J	CHIP C	470PF	J	KPYMIX	
C26			CK73FB1H183K	CHIP C	0.018UF	K	ET	
C26			CK73FB1H223K	CHIP C	0.022UF	K	KPYMIX	
C27			CE04HW1E4R7M	NP-ELEC	4.7UF	25WV		
C28, 29			CE04LW1H2R2M	ELECTRO	2.2UF	50WV		
C30, 31			CK73FB1H223K	CHIP C	0.022UF	K	YMXET	
C30, 31			CK73FB1H333K	CHIP C	0.033UF	K	KP	
C32			CE04LW1V4R7M	ELECTRO	4.7UF	35WV		
C33, 34			CK73FB1H103K	CHIP C	0.010UF	K	YMI	
C35			CK73FB1H332K	CHIP C	3300PF	K	KPYMIX	
C36			CK73FB1H103K	CHIP C	0.010UF	K		
C37, 38			CE04LW1C100M	ELECTRO	10UF	16WV		
C41			CC73FCH1H470J	CHIP C	47PF	J		
C42			CC73FCH1H120J	CHIP C	12PF	J		
C43			CC73FCH1H100D	CHIP C	10PF	D		
C44			CK73FB1H471K	CHIP C	470PF	K		
C45			CC73FCH1H220J	CHIP C	22PF	J		
C46			CE04LW1C100M	ELECTRO	10UF	16WV		
C47			CK73FB1H102K	CHIP C	1000PF	K		
C48			CE04LW1C470M	ELECTRO	47UF	16WV		
C49			CE04LW1H2R2M	ELECTRO	2.2UF	50WV		
C50			CC73FCH1H101J	CHIP C	100PF	J		
C51			CK73FB1H471K	CHIP C	470PF	K		
C52			CC73FCH1H101J	CHIP C	100PF	J		
C70, 71			CK73FB1H682K	CHIP C	6800PF	K	ET	
C72			CE04LW1H010M	ELECTRO	1.0UF	50WV		
C73			CE04LW1C470M	ELECTRO	47UF	16WV		
C74			CK73FB1H102K	CHIP C	1000PF	K	KP	
C75			CC73FCH1H030C	CHIP C	3.0PF	C		
C76			CC73FCH1H470J	CHIP C	47PF	J		
C77			CC73FCH1H101J	CHIP C	100PF	J	YMI	
C78			CK73FB1H223K	CHIP C	0.022UF	K		
C79, 80			CK73FB1H472K	CHIP C	4700PF	K	ET	
C81			CK73FF1C105Z	CHIP C	1.0UF	Z		
C82			CK73FB1H103K	CHIP C	0.010UF	K	KPET	
C83			CC73FCH1H101J	CHIP C	100PF	J		
C84, 85			CK73FB1H223K	CHIP C	0.022UF	K		
C86			CK73FB1H471K	CHIP C	470PF	K		
C88			CK73FB1H332K	CHIP C	3300PF	K	KPYMIX	
C89, 90			CK73FB1H472K	CHIP C	4700PF	K		
C91			CK73FF1C105Z	CHIP C	1.0UF	Z		
C101, 102			CC73FCH1H221J	CHIP C	220PF	J	KP	
C101, 102			CC73FCH1H390J	CHIP C	39PF	J		

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Ref. No	Add- ress	New Parts	Parts No.	Description			Desti- nation	Re- marks
C101,102			CC73FCH1H390J	CHIP C	39PF	J	ETXMIY	5
C103,104	*		CE04RW1V100M	ELECTRO	10UF	35WV	ETXMIY	6
C103,104	*		CE04RW1V100M	ELECTRO	10UF	35WV	ETXMIY	5
C105,106			CC73FCH1H221J	CHIP C	220PF	J	ETMXYI	6
C105,106			CC73FCH1H221J	CHIP C	220PF	J	ETMXYI	5
C107,108			CE04RW0J470M	ELECTRO	47UF	6.3WV	ETMXYI	6
C107,108			CE04RW0J470M	ELECTRO	47UF	6.3WV	ETMXYI	5
C109,110			CC73FCH1H471J	CHIP C	470PF	J	ETXMIY	5
C109,110			CC73FCH1H471J	CHIP C	470PF	J	ETXMIY	6
C111,112			CQ93FMG1H123J	MYLAR	0.012UF	J	ETMXYI	5
C111,112			CQ93FMG1H123J	MYLAR	0.012UF	J	ETMXYI	6
C113,114			CK45FB1H332K	CERAMIC	3300PF	K	ETMXYI	5
C113,114			CK45FB1H332K	CERAMIC	3300PF	K	ETMXYI	6
C115,116			CE04LW1V4R7M	ELECTRO	4.7UF	35WV	ETMXYI	6
C115,116			CE04LW1V4R7M	ELECTRO	4.7UF	35WV	ETMXYI	5
C117,118			CC45FCH1H101J	CERAMIC	100PF	J	ETMXYI	6
C117,118			CC45FCH1H101J	CERAMIC	100PF	J	ETMXYI	5
C119-132			CC73FCH1H221J	CHIP C	220PF	J		
C137,138			CE04LW1H2R2M	ELECTRO	2.2UF	50WV		
C139,140			CC73FCH1H101J	CHIP C	100PF	J		
C141,142			CE04LW1H2R2M	ELECTRO	2.2UF	50WV		
C143,144			CC73FCH1H101J	CHIP C	100PF	J		
C145,146			CE04LW1C220M	ELECTRO	22UF	16WV		
C147,148			CC73FCH1H471J	CHIP C	470PF	J		
C149,150			CE04LW1E470M	ELECTRO	47UF	25WV		
C151,152			CC73FCH1H100D	CHIP C	10PF	D		
C153,154			CE04KW1H100M	ELECTRO	10UF	50WV		
C155,156			CE04KW1H2R2M	ELECTRO	2.2UF	50WV		
C157,158			CC73FCH1H102J	CHIP C	1000PF	J		
C159,160			CK73FB1H222K	CHIP C	2200PF	K		
C161,162			CC73FCH1H220J	CHIP C	22PF	J		
C163,164			CC73FCH1H102J	CHIP C	1000PF	J		
C165,166			CE04KW1A101M	ELECTRO	100UF	10WV		
C167-170			CK73FF1E104Z	CHIP C	0.10UF	Z		
C171,172			CQ93FMG1H472J	MYLAR	4700PF	J		
C175,176			CC73FCH1H471J	CHIP C	470PF	J		
C177,178			CE04LW1E470M	ELECTRO	47UF	25WV		
C179,180			CC73FCH1H100D	CHIP C	10PF	D		
C181,182			CE04KW1H100M	ELECTRO	10UF	50WV		
C183,184			CE04LW1H2R2M	ELECTRO	2.2UF	50WV		
C185,186			CC73FCH1H102J	CHIP C	1000PF	J		
C187,188			CK73FB1H222K	CHIP C	2200PF	K		
C189,190			CC45FCH1H220J	CERAMIC	22PF	J		
C191,192			CC73FCH1H102J	CHIP C	1000PF	J		
C193,194			CE04KW1A101M	ELECTRO	100UF	10WV		
C195-198			CK73FF1E104Z	CHIP C	0.10UF	Z		
C199			CQ93FMG1H472J	MYLAR	4700PF	J		6
C200,201			CQ93FMG1H472J	MYLAR	4700PF	J		6
C202			CQ93FMG1H472J	MYLAR	4700PF	J		
C205			CC73FCH1H471J	CHIP C	470PF	J		
C206			CE04LW1E470M	ELECTRO	47UF	25WV		
C207			CC73FCH1H100D	CHIP C	10PF	D		
C208			CE04KW1H100M	ELECTRO	10UF	50WV		
C209			CE04KW1H2R2M	ELECTRO	2.2UF	50WV		
C210			CC73FCH1H102J	CHIP C	1000PF	J		

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Ref. No	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks
C211			CK73FB1H222K	CHIP C	2200PF	K
C212			CC45FC1H220J	CERAMIC	22PF	J
C213			CC73FC1H102J	CHIP C	1000PF	J
C214			CE04KW1A101M	ELECTRO	100UF	10WV
C215,216			CK73FF1E104Z	CHIP C	0.10UF	Z
C217			CQ93FMG1H472J	MYLAR	4700PF	J
C220			CC73FC1H471J	CHIP C	470PF	J
C221			CE04LW1A101M	ELECTRO	100UF	10WV
C222			CC73FC1H101J	CHIP C	100PF	J
C223			CE04LW1H100M	ELECTRO	10UF	50WV
C224			CC73FC1H221J	CHIP C	220PF	J
C225,226			CK45FF1H103Z	CERAMIC	0.010UF	Z
C231,232	*		C90-3916-05	ELECTRO	4700UF	75WV
C231,232	*		C90-3916-05	ELECTRO	4700UF	75WV
C231,232	*		C90-3918-05	ELECTRO	4700UF	63WV
C231,232	*		C90-3918-05	ELECTRO	4700UF	63WV
C233,234	*		C90-3917-05	ELECTRO	3300UF	42WV
C233,234	*		C90-3917-05	ELECTRO	3300UF	42WV
C233,234	*		C90-3919-05	ELECTRO	3300UF	35WV
C235			CE04KW1E222M	ELECTRO	2200UF	25WV
C236			CE04KW1E471M	ELECTRO	470UF	25WV
C237,238			CE04LW1C101M	ELECTRO	100UF	16WV
C239			CE04LW1H220M	ELECTRO	22UF	50WV
C240			CE04LW1V470M	ELECTRO	47UF	35WV
C241			CC45FC1H101J	CERAMIC	100PF	J
C241			CC45FC1H101J	CERAMIC	100PF	J
C242			CK45FF1H103Z	CERAMIC	0.010UF	Z
C242			CK45FF1H103Z	CERAMIC	0.010UF	Z
C245			CC73FC1H221J	CHIP C	220PF	J
C246			CK45FF1H103Z	CERAMIC	0.010UF	Z
C248			CC73FC1H221J	CHIP C	220PF	J
C250			CC73FC1H102J	CHIP C	1000PF	J
C251,252			CE04KW2A100M	ELECTRO	10UF	100WV
C253,254			CE04KW2A101M	ELECTRO	100UF	100WV
C255,256			CE04DW1J101M	ELECTRO	100UF	63WV
C255,256			CE04DW1J101M	ELECTRO	100UF	63WV
C259			CE04LW1A101M	ELECTRO	100UF	10WV
C260			CE04LW0J221M	ELECTRO	220UF	6.3WV
C261			CE04LW1V4R7M	ELECTRO	4.7UF	35WV
C262			CE04LW0J221M	ELECTRO	220UF	6.3WV
C263			CE04LW1V4R7M	ELECTRO	4.7UF	35WV
C264			CE04LW1H010M	ELECTRO	1.0UF	50WV
C269			CK45FE2H103P	CERAMIC	0.010UF	P
C415			CE04LW1H010M	ELECTRO	1.0UF	50WV
C416,417			CE04HW1E100M	NP-ELEC	10UF	25WV
C601			CE04LW1E332M	ELECTRO	3300UF	25WV
C602			CE04LW1H100M	ELECTRO	10UF	50WV
C603			CK45FF1H103Z	CERAMIC	0.010UF	Z
C604			CE04LW1H100M	ELECTRO	10UF	50WV
C605			CE04LW0J222M	ELECTRO	2200UF	6.3WV
C606			CK73FB1E104K	CHIP C	0.10UF	K
C606			CK73FB1H683K	CHIP C	0.068UF	K
CN1			E40-8364-05	PIN ASSY		

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Ref. No	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks	
CN2			E40-8197-05	SOCKET FOR PIN ASSY			
CN3		*	E40-8485-05	FLAT CABLE CONNECTOR	KPET		
CN4			E40-4871-05	PIN ASSY			
CN5			E40-9831-05	SOCKET FOR PIN ASSY			
CN6			E40-9848-05	PIN ASSY			
CN7		*	E40-8490-05	FLAT CABLE CONNECTOR	KPETX		
CN61			E40-4245-05	PIN ASSY	YMI		
CN62			E40-4245-05	PIN ASSY	YMXET		
CN63			E40-4428-05	PIN ASSY			
CN64			E40-4245-05	PIN ASSY			
CN65			E40-8196-05	PIN ASSY			
J1			E70-0049-05	SCREW TERMINAL BOARD	6		
J1		*	E70-0122-05	LOCK TERMINAL BOARD	45		
J2			E70-0057-05	LOCK TERMINAL BOARD	6		
J2			E70-0065-05	LOCK TERMINAL BOARD	45		
J3 ,4		*	E63-1143-05	PIN JACK			
J7		*	E63-1146-05	PIN JACK			
J8			E20-0321-05	LOCK TERMINAL BOARD(2P,F)			
J8			E70-0052-05	LOCK TERMINAL BOARD			
J8			E03-0148-05	AC OUTLET	KPY		
J61			E03-0149-05	AC OUTLET	MIE		
J61			E03-0310-05	AC OUTLET	ET		
J61			E03-0325-05	AC OUTLET	MIX		
W182			E31-0001-00	JUMPER WIRE	56		
F1			F05-2525-05	FUSE (SEMKO) (250V T2.5AL)	YMXI	5	
F1			F05-3121-05	FUSE (SEMKO) (250V T3.15AL)	ET		
F1			F05-3121-05	FUSE (SEMKO) (250V T3.15AL)	MIX	6	
F1			F50-0076-05	FUSE(5X20)	KP	4	
F1			F50-0077-05	FUSE(5X20)	KP	56	
F2			F05-2525-05	FUSE (SEMKO) (250V T2.5AL)	E		
CN66,67			J13-0075-05	FUSE CLIP	E		
CN68,69			J13-0075-05	FUSE CLIP			
CF1,2			L72-0531-05	CERAMIC FILTER	YMX		
CF1,2			L72-0536-05	CERAMIC FILTER	ET		
CF1,2			L72-0596-05	CERAMIC FILTER	KP		
CF3		*	L72-0607-05	CERAMIC FILTER	YMX		
L1		*	L39-1384-05	COMBINATION COIL			
L2			L40-1091-82	SMALL FIXED INDUCTOR(1.0UH)			
L3			L30-0911-05	AM IFT	KP		
L4			L30-0933-05	FM IFT	ET		
L4			L30-0950-05	FM IFT	ET		
L5			L30-0951-05	FM IFT	ET		
L6 ,7			L79-1236-05	LC FILTER	ET		
L101-105			L39-1373-05	PHASE COMPENSATION COIL			
T1		*	L07-2758-05	POWER TRANSFORMER	KPXET		
T1		*	L07-2761-05	POWER TRANSFORMER	KPXET		
T1		*	L07-2805-05	POWER TRANSFORMER	YMI		
X1			L77-2232-05	CRYSTAL RESONATOR			
R1			RK73FB2A101J	CHIP R	100	J	1/10W
R4			RK73FB2A681J	CHIP R	680	J	1/10W
R5			RK73FB2A332J	CHIP R	3.3K	J	1/10W
R6			RK73FB2A221J	CHIP R	220	J	1/10W
R7			RK73FB2A821J	CHIP R	820	J	1/10W

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PARTS LIST

KRF-V4530D/V5030D/V6030D/VR-405/406/414

PARTS LIST

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Ref. No	Add- ress	New Parts	Parts No.	Description				Desti- nation	Re- marks
R8			RK73FB2A100J	CHIP R	10	J	1/10W	ET	
R8			RK73FB2A330J	CHIP R	33	J	1/10W	KPYMIX	
R9			RK73FB2A391J	CHIP R	390	J	1/10W		
R10			RK73FB2A102J	CHIP R	1.0K	J	1/10W		
R11			RK73FB2A220J	CHIP R	22	J	1/10W	ET	
R11			RK73FB2A330J	CHIP R	33	J	1/10W	KPYMIX	
R12			RK73FB2A101J	CHIP R	100	J	1/10W		
R14			RK73FB2A101J	CHIP R	100	J	1/10W	KPET	
R14			RK73FB2A271J	CHIP R	270	J	1/10W	MIXY	
R15			RK73FB2A333J	CHIP R	33K	J	1/10W	ET	
R15			RK73FB2A472J	CHIP R	4.7K	J	1/10W	KP	
R16			RK73FB2A220J	CHIP R	22	J	1/10W		
R17			RK73FB2A362J	CHIP R	3.6K	J	1/10W		
R18			RK73FB2A302J	CHIP R	3.0K	J	1/10W		
R19			RK73FB2A822J	CHIP R	8.2K	J	1/10W		
R20			RK73FB2A392J	CHIP R	3.9K	J	1/10W		
R23			RK73FB2A153J	CHIP R	15K	J	1/10W	ET	
R23			RK73FB2A332J	CHIP R	3.3K	J	1/10W	YMX	
R23			RK73FB2A912J	CHIP R	9.1K	J	1/10W	KP	
R25			RK73FB2A163J	CHIP R	16K	J	1/10W	KP	
R25			RK73FB2A183J	CHIP R	18K	J	1/10W	YMX	
R25			RK73FB2A273J	CHIP R	27K	J	1/10W	ET	
R27,28			RK73FB2A432J	CHIP R	4.3K	J	1/10W	ET	
R27,28			RK73FB2A682J	CHIP R	6.8K	J	1/10W	KP	
R27,28			RK73FB2A752J	CHIP R	7.5K	J	1/10W	YMX	
R29			RK73FB2A101J	CHIP R	100	J	1/10W	YMI	
R30			RK73FB2A561J	CHIP R	560	J	1/10W	YMI	
R31			RK73FB2A473J	CHIP R	47K	J	1/10W	YMI	
R32			RK73FB2A272J	CHIP R	2.7K	J	1/10W	KPYMIX	
R33,34			RK73FB2A102J	CHIP R	1.0K	J	1/10W		
R35			RK73FB2A101J	CHIP R	100	J	1/10W		
R36			RK73FB2A102J	CHIP R	1.0K	J	1/10W	ET	
R37			RK73FB2A392J	CHIP R	3.9K	J	1/10W	ET	
R38			RK73FB2A102J	CHIP R	1.0K	J	1/10W	ET	
R39			RK73FB2A103J	CHIP R	10K	J	1/10W	ET	
R42			RK73FB2A103J	CHIP R	10K	J	1/10W		
R43			RK73FB2A221J	CHIP R	220	J	1/10W		
R44			RD14NB2E271J	RD	270	J	1/4W		
R45			RK73EB2B102J	CHIP R	1.0K	J	1/8W		
R46			RK73FB2A102J	CHIP R	1.0K	J	1/10W		
R47			RK73FB2B102J	CHIP R	1.0K	J	1/8W		
R48			RK73FB2A102J	CHIP R	1.0K	J	1/10W		
R49			RK73FB2A103J	CHIP R	10K	J	1/10W		
R50			RD14NB2E471J	RD	470	J	1/4W		
R51			RK73FB2A562J	CHIP R	5.6K	J	1/10W		
R52			RK73FB2A101J	CHIP R	100	J	1/10W		
R53			RK73FB2A222J	CHIP R	2.2K	J	1/10W		
R54			RK73FB2A102J	CHIP R	1.0K	J	1/10W		
R55			RK73FB2A333J	CHIP R	33K	J	1/10W		
R56,57			RK73FB2A102J	CHIP R	1.0K	J	1/10W		
R58			RK73FB2A123J	CHIP R	12K	J	1/10W	KP	
R59			RK73FB2A122J	CHIP R	1.2K	J	1/10W	ET	
R72,73			RK73FB2A153J	CHIP R	15K	J	1/10W	ET	
R72,73			RK73FB2A392J	CHIP R	3.9K	J	1/10W	KP	
R72,73			RK73FB2A822J	CHIP R	8.2K	J	1/10W	YMX	

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Y:AAFE(S)Europe)	X:Australia	Q:Russia	H:Korea	M:Other Areas	△ indicates safety critical components.

Ref. No	Add- ress	New Parts	Parts No.	Description				Desti- nation	Re- marks
R74			RK73FB2A473J	CHIP R	47K	J	1/10W		
R75			RK73FB2A822J	CHIP R	8.2K	J	1/10W		
R76			RK73FB2A182J	CHIP R	1.8K	J	1/10W		
R78			RK73FB2A821J	CHIP R	820	J	1/10W		
R79			RK73FB2A102J	CHIP R	1.0K	J	1/10W		
R80			RK73FB2A223J	CHIP R	22K	J	1/10W	ET	
R81			RS14KB3A820J	FL-PROOF RS	82	J	1W		
R82			RK73FB2A272J	CHIP R	2.7K	J	1/10W	ET	
R83			RK73FB2A102J	CHIP R	1.0K	J	1/10W		
R84			RK73EB2B102J	CHIP R	1.0K	J	1/8W		
R85-87			RK73FB2A105J	CHIP R	1.0M	J	1/10W		
R88			RK73FB2A563J	CHIP R	56K	J	1/10W		
R89			RK73FB2A333J	CHIP R	33K	J	1/10W		
R101,102			RK73FB2A101J	CHIP R	100	J	1/10W	ETMXIY	6
R101,102			RD14BB2C102J	RD	100	J	1/6W	ETMXIY	5
R103,104			RK73FB2A273J	CHIP R	27K	J	1/10W	ETMXIY	6
R103,104			RK73FB2A273J	CHIP R	27K	J	1/10W	ETMXIY	5
R105,106			RK73FB2A101J	CHIP R	100	J	1/10W	ETMXIY	6
R105,106			RK73FB2A101J	CHIP R	100	J	1/10W	ETMXIY	5
R115,116			RD14BB2C102J	RD	100	J	1/6W	ETMXIY	45
R117,118			RK73FB2A102J	CHIP R	1.0K	J	1/10W		
R119,120			RK73FB2A224J	CHIP R	220K	J	1/10W		
R121,122			RK73FB2A102J	CHIP R	1.0K	J	1/10W		
R123,124			RK73FB2A224J	CHIP R	220K	J	1/10W		
R125,126			RK73FB2A102J	CHIP R	1.0K	J	1/10W		
R127,128			RK73FB2A224J	CHIP R	220K	J	1/10W		
R129,130			RK73FB2A102J	CHIP R	1.0K	J	1/10W		
R131,132			RK73FB2A224J	CHIP R	220K	J	1/10W		
R133,134			RK73FB2A102J	CHIP R	1.0K	J	1/10W		
R135,136			RK73FB2A224J	CHIP R	220K	J	1/10W		
R137,138			RK73FB2A102J	CHIP R	1.0K	J	1/10W		
R139,140			RK73FB2A224J	CHIP R	220K	J	1/10W		
R141,142			RK73FB2A102J	CHIP R	1.0K	J	1/10W		
R143,144			RK73FB2A224J	CHIP R	220K	J	1/10W		
R153-156			RK73FB2A182J	CHIP R	1.8K	J	1/10W		
R159			RK73FB2A562J	CHIP R	5.6K	J	1/10W		
R161,162			RK73FB2A302J	CHIP R	3.0K	J	1/10W		
R163,164			RK73FB2A682J	CHIP R	6.8K	J	1/10W		
R165,166			RK73FB2A183J	CHIP R	18K	J	1/10W		
R167,168			RK73FB2A182J	CHIP R	1.8K	J	1/10W		
R169,170			RK73FB2A224J	CHIP R	220K	J	1/10W		
R171,172			RK73FB2A183J	CHIP R	18K	J	1/10W		
R173,174			RK73FB2A222J	CHIP R	2.2K	J	1/10W		
R175,176			RK73FB2A104J	CHIP R	100K	J	1/10W		
R177,178			RK73FB2A563J	CHIP R	56K	J	1/10W		
R179			RK73FB2A102J	CHIP R	1.0K	J	1/10W		
R180			RK73EB2B102J	CHIP R	1.0K	J	1/8W		
R181-184			RS14KB3DR22J	FL-PROOF RS	0.22	J	2W		
R185,186			RK73FB2A563J	CHIP R	56K	J	1/10W		
R187,188			RK73FB2A182J	CHIP R	1.8K	J	1/10W	KPMXI	6
R187,188			RK73FB2A222J	CHIP R	2.2K	J	1/10W	KPMXI	5
R187,188			RK73FB2A242J	CHIP R	2.4K	J	1/10W	E	6
R187,188			RK73FB2A272J	CHIP R	2.7K	J	1/10W	ET	5
R187,188			RK73FB2A272J	CHIP R	2.7K	J	1/10W	KP	4
R189,190			RS14KB3D120J	FL-PROOF RS	12	J	2W		

L:Scandinavia	K:USA	P:Canada	R:Mexico	C:China	I:Malaysia
Y:PX(Far East,Hawaii)	T:England	E:Europe	G:Germany	V:China(Shanghai)	
Y:AAFE(S)Europe)	X:Australia	Q:Russia	H:Korea	M:Other Areas	△ indicates safety critical components.

* New Parts

Parts without **Parts No.** are not supplied.

Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.

Teile ohne **Parts No.** werden nicht geliefert.

Ref. No	Add- ress	New Parts	Parts No.	Description			Desti- nation	Re- marks	Ref. No	Add- ress	New Parts	Parts No.	Description			Desti- nation	Re- marks	
R191,192			RS14KB3D391J	FL-PROOF RS	390	J	2W		R276			RK73FB2A224J	CHIP R	220K	J	1/10W		
R199,200			RK73FB2A333J	CHIP R	33K	J	1/10W		R277			RK73FB2A331J	CHIP R	330	J	1/10W		
R201,202			RK73FB2A303J	CHIP R	30K	J	1/10W		R278			RK73FB2A102J	CHIP R	1.0K	J	1/10W		
R203,204			RK73FB2A113J	CHIP R	11K	J	1/10W	ETMIXY	R279,280	*	R92-1955-05	METAL GLAZE	10K	J	1/4W	KP	4	
R203,204			RK73FB2A113J	CHIP R	11K	J	1/10W	KP	R279,280	*	R92-1956-05	METAL GLAZE	33K	J	1/4W		6	
R203,204			RK73FB2A153J	CHIP R	15K	J	1/10W	KP	R279,280	*	R92-1956-05	METAL GLAZE	33K	J	1/4W	ETMIXY	5	
R203,204			RK73FB2A912J	CHIP R	9.1K	J	1/10W	KP	R279,280	*	R92-1945-05	METAL GLAZE	1	J	1/4W	KP	5	
R205,206			RK73FB2A471J	CHIP R	470	J	1/10W		R281			RK73FB2A1R0J	CHIP R	1	J	1/10W		6
R209,210			RK73FB2A102J	CHIP R	1.0K	J	1/10W		R283			RK73FB2A1R0J	CHIP R	1	J	1/10W	ETMIXY	5
R211,212			RK73FB2A273J	CHIP R	27K	J	1/10W		R283			RK73FB2A1R0J	CHIP R	1	J	1/10W	KP	5
R213,214			RK73FB2A182J	CHIP R	1.8K	J	1/10W		R283			RK73FB2A104J	CHIP R	100K	J	1/10W	KP	5
R215,216			RK73FB2A224J	CHIP R	220K	J	1/10W		R284			RK73FB2A104J	CHIP R	100K	J	1/10W		6
R217,218			RK73FB2A183J	CHIP R	18K	J	1/10W		R285	*	R92-1945-05	METAL GLAZE	1	J	1/4W			
R219,220			RK73EB2B222J	CHIP R	2.2K	J	1/8W		R287			RK73EB2B101J	CHIP R	100	J	1/8W		
R221,222			RK73FB2A104J	CHIP R	100K	J	1/10W		R301,302			RK73FB2A513J	CHIP R	51K	J	1/10W		
R223,224			RK73FB2A563J	CHIP R	56K	J	1/10W		R303-306			RS14KB3A392J	FL-PROOF RS	3.9K	J	1W		6
R225			RK73FB2A102J	CHIP R	1.0K	J	1/10W		R303-306			RS14KB3A392J	FL-PROOF RS	3.9K	J	1W	ETMIXY	5
R227-230			RS14KB3DR22J	FL-PROOF RS	0.22	J	2W		R303-306			RS14KB3A392J	FL-PROOF RS	3.9K	J	1W	KP	5
R233,234			RK73FB2A182J	CHIP R	1.8K	J	1/10W	KPMXI	R307			RK73EB2B273J	CHIP R	27K	J	1/8W		6
R233,234			RK73FB2A222J	CHIP R	2.2K	J	1/10W	KPMXIY	R307			RK73EB2B273J	CHIP R	27K	J	1/8W	ETMIXY	5
R233,234			RK73FB2A242J	CHIP R	2.4K	J	1/10W	E	R307			RK73FB2A273J	CHIP R	27K	J	1/8W	KP	5
R233,234			RK73FB2A272J	CHIP R	2.7K	J	1/10W	ET	R308			RK73FB2A273J	CHIP R	27K	J	1/10W		6
R233,234			RK73FB2A272J	CHIP R	2.7K	J	1/10W	KP	R308			RK73FB2A273J	CHIP R	27K	J	1/10W	ETMIXY	5
R235,236			RS14KB3D120J	FL-PROOF RS	12	J	2W		R308			RK73FB2A273J	CHIP R	27K	J	1/10W	KP	5
R243,244			RK73FB2A333J	CHIP R	33K	J	1/10W		R309,310			RK73FB2A1R0J	CHIP R	1	J	1/10W		6
R245,246			RK73FB2A303J	CHIP R	30K	J	1/10W		R309,310			RK73FB2A1R0J	CHIP R	1	J	1/10W	ETMIXY	5
R247,248			RK73FB2A113J	CHIP R	11K	J	1/10W	ETMIXY	R309,310			RK73FB2A1R0J	CHIP R	1	J	1/10W	KP	5
R247,248			RK73FB2A113J	CHIP R	11K	J	1/10W	KP	R312			RD14NB2E103J	RD	10K	J	1/4W		
R247,248			RK73FB2A153J	CHIP R	15K	J	1/10W	KP	R313,314			RK73FB2A473J	CHIP R	47K	J	1/10W		45
R247,248			RK73FB2A912J	CHIP R	9.1K	J	1/10W	6	R315			RK73FB2A1R0J	CHIP R	1	J	1/10W		
R249,250			RK73FB2A471J	CHIP R	470	J	1/10W		R316			RD14NB2E101J	RD	100	J	1/4W		
R251			RK73FB2A183J	CHIP R	18K	J	1/10W		R317			RD14BB2C752J	RD	7.5K	J	1/6W		
R252			RK73FB2A182J	CHIP R	1.8K	J	1/10W		R320			RK73FB2A103J	CHIP R	10K	J	1/10W		
R253			RK73FB2A224J	CHIP R	220K	J	1/10W		R322			RD14BB2C103J	RD	10K	J	1/6W		
R254			RK73FB2A183J	CHIP R	18K	J	1/10W		R323			RK73FB2A393J	CHIP R	39K	J	1/10W		
R256			RK73FB2A242J	CHIP R	100K	J	1/10W		R324,325			RK73FB2A2104J	CHIP R	100K	J	1/10W	ET	5
R257			RK73FB2A563J	CHIP R	56K	J	1/10W		R324,325			RK73FB2A204J	CHIP R	200K	J	1/10W	KP	4
R259,260			RS14KB3DR22J	FL-PROOF RS	0.22	J	2W		R324,325			RK73FB2A753J	CHIP R	75K	J	1/10W		6
R262			RK73FB2A182J	CHIP R	1.8K	J	1/10W	KPMXI	R324,325			RK73FB2A753J	CHIP R	75K	J	1/10W	KPMXIY	5
R262			RK73FB2A222J	CHIP R	2.2K	J	1/10W	KPMXIY	R326-328			RK73FB2A473J	CHIP R	47K	J	1/10W		
R262			RK73FB2A242J	CHIP R	2.4K	J	1/10W	E	R329			RK73FB2A213J	CHIP R	12K	J	1/10W		
R262			RK73FB2A272J	CHIP R	2.7K	J	1/10W	ET	R330			RK73FB2A153J	CHIP R	15K	J	1/10W		
R262			RK73FB2A272J	CHIP R	2.7K	J	1/10W	KP	R331			RK73FB2A332J	CHIP R	3.3K	J	1/10W		
R263			RS14KB3D120J	FL-PROOF RS	12	J	2W		R332			RK73FB2A682J	CHIP R	6.8K	J	1/10W		
R267			RK73FB2A303J	CHIP R	30K	J	1/10W		R333			RK73FB2A223J	CHIP R	22K	J	1/10W		
R268			RK73FB2A113J	CHIP R	11K	J	1/10W	ETMIXY	R334			RK73FB2A213J	CHIP R	12K	J	1/10W		
R268			RK73FB2A113J	CHIP R	11K	J	1/10W	KP	R335			RK73FB2A153J	CHIP R	15K	J	1/10W		
R268			RK73FB2A153J	CHIP R	15K	J	1/10W	KP	R336			RK73FB2A332J	CHIP R	3.3K	J	1/10W		
R268			RK73FB2A912J	CHIP R	9.1K	J	1/10W	6	R337			RK73FB2A682J	CHIP R	6.8K	J	1/10W		
R269			RK73FB2A471J	CHIP R	470	J	1/10W	R339,340			RK73FB2A472J	CHIP R	4.7K	J	1/10W			
R270			RK73FB2A333J	CHIP R	33K	J	1/10W		R341	*	R92-1945-05	METAL GLAZE	1	J	1/4W			
R271			RK73FB2A183J	CHIP R	18K	J	1/10W		R342-344			RS14KB3A151J	FL-PROOF RS	150	J	1W		
R272			RK73FB2A241J	CHIP R	240	J	1/10W		R347			RS14KB3D4R7J	FL-PROOF RS	4.7	J	2W		
R273			RK73FB2A332J	CHIP R	3.3K	J	1/10W		R349			RS14KB3A4R7J	FL-PROOF RS	4.7	J	1W		
R274			RK73FB2A183J	CHIP R	18K	J	1/10W		R350			RK73FB2A1R0J	CHIP R	1	J	1/10W		6
									R350			RK73FB2A2104J	CHIP R	1	J	1/10W	ETMIXY	5

L: Scandinavia
Y: PX(Far East,Hawaii)
T: England
E: Europe
R: Mexico
G: Germany
C: China
V: China(Shanghai)
I: Malaysia
M: Other Areas
A: FAE(Far East,Hawaii)
X: Australia
Q: Russia
H: Korea
B: Canada
D: Europe
F: China
N: Other Areas
P: USA
S: Europe
U: China
W: Malaysia
Z: Scandinavia
AA: AAFES(Europe)

* New Parts

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Teile ohne **Parts No.** werden nicht geliefert.

PARTS LIST

KRF-V4530DN5030DN6030DVR-405/406/414

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Teile ohne **Parts No.** werden nicht geliefert.

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Ref. No	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks
D124			UDZ3.9B	ZENER DIODE		
D125,126			HSS104A	DIODE	YMI	
D125,126			1SS133	DIODE	YMI	
D127,128			MA111	DIODE		6
D129			MA111	DIODE		
D130			MA111	DIODE		
D201			DA204U	DIODE		
D201			MA143A	DIODE		
D201			1SS302	DIODE		
D203			HZS8.2N(B2)	ZENER DIODE		
D203			MTZJ8.2(B)	ZENER DIODE		
D204			HZS5.1N(B2)	ZENER DIODE		
D204			MTZJ5.1(B)	ZENER DIODE		
D209			HZS3.3N(B2)	ZENER DIODE		
D209			MTZJ3.3(B)	ZENER DIODE		
D211			MA111	DIODE	ET	
D213			MA111	DIODE		
D601	△		S1ZB20(4101)	DIODE		
D602-605	△		HSS104A	DIODE		
D602-605	△		1SS133	DIODE		
D608			HSS104A	DIODE	KP	
D608			RB721Q	DIODE	YMXIET	
D608			1SS133	DIODE	KP	
IC101	*		STK412-010A	HYBRID IC	ETMXIY	5
IC101	*		STK412-010A	HYBRID IC	KP	5
IC101	*		STK412-020A	HYBRID IC	ETMXIY	6
IC102	*		STK413-010A	HYBRID IC	KP	5
IC102	*		STK413-010A	HYBRID IC	ETMXIY	5
IC102	*		STK413-020A	HYBRID IC	KP	6
IC103	*		KIA7812API	ANALOGUE IC		
IC104	*		KIA7912PI	ANALOGUE IC		
IC105			NJM4580ED	ANALOGUE IC		
IC105			NJM4580ED	ANALOGUE IC		
IC106			NJU7313AM	ANALOGUE IC		
IC107,108			NJM4565M	ANALOGUE IC		
IC109			NJU7313AM	ANALOGUE IC		
IC110-112			NJM4565M	ANALOGUE IC		
IC113	*		STK442-090	HYBRID IC	KP	4
IC114	*		STK443-090	HYBRID IC	KP	4
IC201			LA1837	ANALOGUE IC	KPET	
IC201			LC72131	MOS-IC		
IC202			XC62FP5102P	ANALOGUE IC		
IC601	*		BA05T	ANALOGUE IC		
IC602	*		2SC1740S(Q,R)	TRANSISTOR		
Q1 ,2			LA1838	ANALOGUE IC	MXIY	
Q5 ,6			LC72131	MOS-IC		
Q7 ,8			XC62FP5102P	ANALOGUE IC		
Q7 ,8			BA05T	ANALOGUE IC		
Q11 ,12			2SC1740S(Q,R)	TRANSISTOR		
Q13 ,14			2SC1740S(Q,R)	TRANSISTOR		
Q13 ,14			2SC2785(F,E)	TRANSISTOR		
Q16			2SC2351	TRANSISTOR		
Q17			2SC1740S(Q,R)	TRANSISTOR		
Q51 -53			2SC2785(F,E)	TRANSISTOR		
Q51 -53			2SD2351	TRANSISTOR		
Q51 -53			2SC2785(F,E)	TRANSISTOR		
Q51 -53			2SD2351	TRANSISTOR		
Q51 -53			2SC2878(B)	TRANSISTOR		
Q51 -53			2SA1576A(R,S)	TRANSISTOR		

L : Scandinavia K : USA P : Canada R : Mexico C : China I : Malaysia
 Y : PX(Far East,Hawaii) T : England E : Europe G : Germany V : China(Shanghai)
 Y : AAFES(Europe) X : Australia Q : Russia H : Korea M : Other Areas Δ indicates safety critical components.

* New Parts
Parts without **Parts No.** are not supplied.
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Ref. No	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks
Q51 -53			2SB1218A(Q,R)	TRANSISTOR		
Q54			2SB1640	TRANSISTOR		
Q113-117			2SC3906K	TRANSISTOR		
Q118			2SA1576A(R,S)	TRANSISTOR		
Q118			2SB1218A(Q,R)	TRANSISTOR		
Q119,120			2SC3906K	TRANSISTOR		
Q121			2SA1576A(R,S)	TRANSISTOR		
Q121			2SB1218A(Q,R)	TRANSISTOR		
Q122,123			2SC1845(F,E)	TRANSISTOR		
Q132			2SC3906K	TRANSISTOR		
Q133			2SB1566	TRANSISTOR		
Q134			2SC1845(F,E)	TRANSISTOR		
Q135			2SA1576A(R,S)	TRANSISTOR		
Q135			2SB1218A(Q,R)	TRANSISTOR		
Q136			UN5219	DIGITAL TRANSISTOR		
Q137			2SD2395	TRANSISTOR		
Q138			2SB1640	TRANSISTOR		
Q139,140			DTC123JUA	DIGITAL TRANSISTOR		
Q141			DTC123JUA	DIGITAL TRANSISTOR		
Q142			DTC123JUA	DIGITAL TRANSISTOR		
Q201			2SC4081(R,S)	TRANSISTOR		
Q201			2SD1819A(Q,R)	TRANSISTOR		
Q202			2SA1576A(R,S)	TRANSISTOR		
Q202			2SB1218A(Q,R)	TRANSISTOR		
Q203,204			2SC4081(R,S)	TRANSISTOR		
Q203,204			2SD1819A(Q,R)	TRANSISTOR		
Q206,207			2SC4081(R,S)	TRANSISTOR		
Q206,207			2SD1819A(Q,R)	TRANSISTOR		
Q210,211			2SD1757K	TRANSISTOR		
Q212			2SA1576A(R,S)	TRANSISTOR		
Q212			2SB1218A(Q,R)	TRANSISTOR		
Q214			2SA1576A(R,S)	TRANSISTOR		
Q214			2SB1218A(Q,R)	TRANSISTOR		
Q601			2SC1740S(Q,R)	TRANSISTOR		
Q601			2SC2785(F,E)	TRANSISTOR		
A1			W02-2584-05	FM FRONT-END ASSY		
A1			W02-2622-05	FM FRONT-END ASSY		
					ET	KPYMIX

PREAMP (X08-3010-10)

C1 ,2		CE04RW1C100M	ELECTRO	10UF	16WV	
C3		CK73FB1H103K	CHIP C	0.010UF	K	
C4		CC73FCH1H101J	CHIP C	100PF	J	
C5 ,6		CK73FB1H222K	CHIP C	2200PF	K	
C7 ,8		CK73FB1E104K	CHIP C	0.10UF	K	
C9 ,10		CE04RW1C4R7M	ELECTRO	4.7UF	16WV	
C21		CK73FB1E104K	CHIP C	0.10UF	K	
C22		CE04LW1H100M	ELECTRO	10UF	50WV	
C23		CK73FB1H102K	CHIP C	1000PF	K	
C24 ,25		CK73FB1E104K	CHIP C	0.10UF	K	
C26		CK73FF1C105Z	CHIP C	1.0UF	Z	
C27		C91-1597-05	CER, MIC	4.7UF	Z	
C29		CK73FB1H103K	CHIP C	0.010UF	K	
C31		CC73FCH1H220J	CHIP C	22PF	J	
C32		CK73FB1H472K	CHIP C	4700PF	K	
C33		CC73FCH1H220J	CHIP C	22PF	J	

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PARTS LIST

KRF-V4530D/V5030D/V6030D/VR-405/406/414

PARTS LIST

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Ref. No	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks
C34			CK73FB1H472K	CHIP C 4700PF	K	
C35			CK73FF1C105Z	CHIP C 1.0UF	N	
C41			CC73FCH1H220J	CHIP C 22PF	J	
C42			CC73FCH1H270J	CHIP C 27PF	J	
C43,44			CK73FB1H102K	CHIP C 1000PF	K	
C45			CK73FB1H103K	CHIP C 0.010UF	K	
C46			CC73FCH1H220J	CHIP C 22PF	J	
C54,55			CC73FCH1H220J	CHIP C 22PF	J	
C56			CK73FB1H102K	CHIP C 1000PF	K	
C57			CK73FF1C105Z	CHIP C 1.0UF	N	
C58,59			CK73FB1H103K	CHIP C 0.010UF	K	
C103,104			CK73FF1C105Z	CHIP C 1.0UF	N	
C105,106			CK73FB1H182K	CHIP C 1800PF	KK	
C107,108			CK73FB1H222K	CHIP C 2200PF	KK	
C109			CK73FB1H103K	CHIP C 0.010UF	K	
C110			CC73FCH1H101J	CHIP C 100PF	J	
C121,122			CC73FCH1H220J	CHIP C 22PF	J	
C125			CK73FB1H103K	CHIP C 0.010UF	K	
C126			CC73FCH1H101J	CHIP C 100PF	J	
C141			CK73FCH1H101J	CHIP C 100PF	J	
C151,152			CK73FF1C225Z	CHIP C 2.2UF	N	
C153,154			CC73FCH1H101J	CHIP C 100PF	J	
C155,156			CK73FF1C105Z	CHIP C 1.0UF	N	
C157-160			CK73FF1C225Z	CHIP C 2.2UF	N	
C161,162			CK73FB1H822K	CHIP C 8200PF	K	
C163,164			CK73FB1H153K	CHIP C 0.015UF	K	
C165,166			CK73FB1C334K	CHIP C 0.33UF	KK	
C167,168			CK73FF1C225Z	CHIP C 2.2UF	KK	
C169,170			CK73FB1H222K	CHIP C 2200PF	KK	
C177-182			CK73FF1C225Z	CHIP C 2.2UF	N	
C183			CK73FF1C105Z	CHIP C 1.0UF	Z	
C184			CC73FCH1H221J	CHIP C 220PF	J	
C185,186			CK73FB1E104K	CHIP C 0.10UF	KK	
C187,188			CK73FB1H102K	CHIP C 1000PF	KK	
C203,204			CK73FF1C105Z	CHIP C 1.0UF	Z	
C205,206			CK73FB1H182K	CHIP C 1800PF	K	
C207,208			CK73FB1H222K	CHIP C 2200PF	KK	
C209			CK73FB1H103K	CHIP C 0.010UF	K	
C210			CC73FCH1H101J	CHIP C 100PF	J	
C251-256			CK73FCH1H221J	CHIP C 220PF	J	
C303,304			CK73FF1C105Z	CHIP C 1.0UF	N	
C305			CK73FB1H182K	CHIP C 1800PF	KK	
C306			CK73FB1H682K	CHIP C 6800PF	KK	
C307			CK73FB1H222K	CHIP C 2200PF	KK	
C308			CK73FB1H822K	CHIP C 8200PF	K	
C309			CK73FB1H103K	CHIP C 0.010UF	K	
C310			CC73FCH1H101J	CHIP C 100PF	J	
C401-403			CK73FB1H103K	CHIP C 0.010UF	KK	
C411-414			CC73FCH1H220J	CHIP C 22PF	J	
C415-418			CK73FCH1H101J	CHIP C 100PF	J	
C419			CC73FCH1H100D	CHIP C 10PF	D	
C450			CK73FB1H103K	CHIP C 0.010UF	KK	
C451			CK73FB1E104K	CHIP C 0.10UF	K	
C452			CE04LW1C222M	ELECTRO 2200UF	16WV	
C453,454			CK73FB1E104K	CHIP C 0.10UF	K	

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Ref. No	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks
C455			CE04LW1A101M	ELECTRO 100UF	10WV	
C456,457			CK73FB1E104K	CHIP C 0.10UF	K	
C458			C92-0047-05	CHIP-ELE 47UF	6.3WV	
C459,460			CK73FB1E104K	CHIP C 0.10UF	K	
C461			CE04LW1E470M	ELECTRO 47UF	25WV	
C501-504			CK73FB1E104K	CHIP C 0.10UF	K	
C505			CK73FB1H102K	CHIP C 1000PF	K	
C506			CC73FCH1H471J	CHIP C 470PF	J	
C507			CK73FB1H103K	CHIP C 0.010UF	K	
C508			CE04LW1H2R2M	ELECTRO 2.2UF	50WV	
C509			CE04LW1E470M	ELECTRO 47UF	25WV	
C510,511			CK73FB1H103K	CHIP C 0.010UF	K	
C601			CC73FCH1H470J	CHIP C 47PF	J	
C602			CE04LW1E470M	ELECTRO 47UF	25WV	
C603			CC73FCH1H470J	CHIP C 47PF	J	
C604			CE04LW1E470M	ELECTRO 47UF	25WV	
C607			CC73FCH1H470J	CHIP C 47PF	J	
C608			CE04LW1E470M	ELECTRO 47UF	25WV	
C609,610			CC73FCH1H470J	CHIP C 47PF	J	
C621,622			CK73FB1E104K	CHIP C 0.10UF	K	
C751,752			CC73FCH1H221J	CHIP C 220PF	J	
C753			CK73FB1H103K	CHIP C 0.010UF	K	
CN1		*	E40-8485-05	FLAT CABLE CONNECTOR		
CN2		*	E40-8484-05	FLAT CABLE CONNECTOR		
CN5		*	E40-4248-05	PIN ASSY		
CN5		*	E40-8358-05	PIN ASSY		
J1		*	E63-1080-05	PIN JACK		
J1		*	E63-1140-05	PIN JACK		
J2		*	E63-1139-05	PIN JACK		
J2		*	E63-1139-05	PIN JACK		
J3		*	E63-1138-05	PIN JACK		
J61		*	E63-1141-05	PIN JACK		
J75			E11-0293-05	MINIATURE PHONE JACK(2P)		
E1,2			J11-0809-05	WIRE CLAMPER		
L31,32		*	L92-0511-05	CHIP FERRITE		
L41		*	L92-0510-05	CHIP FERRITE		
X1		*	L77-2296-05	CRYSTAL RESONATOR(12.288MHZ)		
CP41-44			R90-0728-05	MULTI-COMP 180 X4		
CP51,52			R90-0714-05	MULTI-COMP 10K X4		
R1,2			RK73FB2A562J	CHIP R 5.6K	J	1/10W
R3,4			RK73FB2A101J	CHIP R 100	J	1/10W
R5,6			RK73FB2A471J	CHIP R 470	J	1/10W
R7-10			RK73FB2A472J	CHIP R 4.7K	J	1/10W
R11,12			RK73FB2A471J	CHIP R 470	J	1/10W
R20			R92-1946-05	METAL GLAZE 4.7	J	1/4W
R21			RK73FB2A221J	CHIP R 220	J	1/10W
R31,32			RK73FB2A820J	CHIP R 82	J	1/10W
R33			RK73FB2A471J	CHIP R 470	J	1/10W
R34			RD14NB2E4R7J	RD 4.7	J	1/4W
R41,42			RK73FB2A105J	CHIP R 1.0M	J	1/10W
R43-45			RK73FB2A221J	CHIP R 220	J	1/10W
R54			RK73FB2A912J	CHIP R 9.1K	J	1/10W

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R65 -58			RK73FB2A221J	CHIP R	220	J	1/10W	
R59			RK73FB2A101J	CHIP R	100	J	1/10W	
R66			RK73FB2A104J	CHIP R	100K	J	1/10W	
R67			RK73FB2A103J	CHIP R	10K	J	1/10W	
R68			RK73FB2A221J	CHIP R	220	J	1/10W	
R101,102			RK73FB2A222J	CHIP R	2.2K	J	1/10W	
R103,104			RK73FB2A104J	CHIP R	100K	J	1/10W	
R107,108			RK73FB2A222J	CHIP R	2.2K	J	1/10W	
R109,110			RK73FB2A103J	CHIP R	10K	J	1/10W	
R111,112			RK73FB2A472J	CHIP R	4.7K	J	1/10W	
R113,114			RK73FB2A221J	CHIP R	220	J	1/10W	
R121-124			RK73FB2A103J	CHIP R	10K	J	1/10W	
R125,126			RK73FB2A101J	CHIP R	100	J	1/10W	
R127,128			RK73FB2A242J	CHIP R	2.4K	J	1/10W	
R151-156			RK73FB2A100J	CHIP R	10	J	1/10W	
R157,158			RK73FB2A102J	CHIP R	1.0K	J	1/10W	
R159-164			RK73FB2A101J	CHIP R	100	J	1/10W	
R165			RK73FB2A751J	CHIP R	750	J	1/10W	
R166			RK73FB2A272J	CHIP R	2.7K	J	1/10W	
R168,169			RK73FB2A1R0J	CHIP R	1	J	1/10W	
R170,171			RK73FB2A471J	CHIP R	470	J	1/10W	
R172-175			RK73FB2A473J	CHIP R	47K	J	1/10W	
R201,202			RK73FB2A102J	CHIP R	1.0K	J	1/10W	
R203,204			RK73FB2A104J	CHIP R	100K	J	1/10W	
R207,208			RK73FB2A472J	CHIP R	4.7K	J	1/10W	
R209,210			RK73FB2A272J	CHIP R	2.7K	J	1/10W	
R211,212			RK73FB2A562J	CHIP R	5.6K	J	1/10W	
R213,214			RK73FB2A221J	CHIP R	220	J	1/10W	
R215,216			RK73FB2A472J	CHIP R	4.7K	J	1/10W	
R217,218			RK73FB2A562J	CHIP R	5.6K	J	1/10W	
R251,252			RK73FB2A153J	CHIP R	15K	J	1/10W	
R253,254			RK73FB2A223J	CHIP R	22K	J	1/10W	
R255,256			RK73FB2A103J	CHIP R	10K	J	1/10W	
R257,258			RK73FB2A223J	CHIP R	22K	J	1/10W	
R259,260			RK73FB2A103J	CHIP R	10K	J	1/10W	
R261,262			RK73FB2A223J	CHIP R	22K	J	1/10W	
R301			RK73FB2A222J	CHIP R	2.2K	J	1/10W	
R302			RK73FB2A103J	CHIP R	10K	J	1/10W	
R303,304			RK73FB2A104J	CHIP R	100K	J	1/10W	
R307			RK73FB2A222J	CHIP R	2.2K	J	1/10W	
R308			RK73FB2A123J	CHIP R	12K	J	1/10W	
R309,310			RK73FB2A103J	CHIP R	10K	J	1/10W	
R311,312			RK73FB2A472J	CHIP R	4.7K	J	1/10W	
R313,314			RK73FB2A221J	CHIP R	220	J	1/10W	
R401-406			RK73FB2A471J	CHIP R	470	J	1/10W	
R407			RK73FB2A473J	CHIP R	47K	J	1/10W	
R412			RK73FB2A221J	CHIP R	220	J	1/10W	
R426,427			RK73FB2A221J	CHIP R	220	J	1/10W	
R428			RK73FB2A1R0J	CHIP R	1	J	1/10W	
R431,432			RK73FB2A103J	CHIP R	10K	J	1/10W	
▲ R450-453	*	*	R92-1945-05	METAL GLAZE	1	J	1/4W	
R454	*	*	R92-1946-05	METAL GLAZE	4.7	J	1/4W	
R461,462			RK73FB2A221J	CHIP R	220	J	1/10W	
R463			RK73FB2A473J	CHIP R	47K	J	1/10W	
R464			RK73FB2A472J	CHIP R	4.7K	J	1/10W	

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R465			RK73FB2A102J	CHIP R	1.0K	J	1/10W	
R501-503			RK73FB2A221J	CHIP R	220	J	1/10W	
R505			RK73FB2A103J	CHIP R	10K	J	1/10W	
R514			RK73FB2A101J	CHIP R	100	J	1/10W	
R515			RK73FB2A221J	CHIP R	220	J	1/10W	
R516			RK73FB2A103J	CHIP R	10K	J	1/10W	
R517			RK73FB2A221J	CHIP R	220	J	1/10W	
R518			RK73FB2A472J	CHIP R	4.7K	J	1/10W	
R519			RK73FB2A221J	CHIP R	220	J	1/10W	
R520,521			RK73FB2A103J	CHIP R	10K	J	1/10W	
R522,523			RK73FB2A472J	CHIP R	4.7K	J	1/10W	
R524			RK73FB2A333J	CHIP R	33K	J	1/10W	
R527			RK73FB2A103J	CHIP R	10K	J	1/10W	
R601			RK73FB2A820J	CHIP R	82	J	1/10W	
R603			RK73FB2A820J	CHIP R	82	J	1/10W	
R607			RK73FB2A820J	CHIP R	82	J	1/10W	
R609			RK73FB2A104J	CHIP R	100K	J	1/10W	
R610			RK73FB2A680J	CHIP R	68	J	1/10W	
R611			RK73FB2A104J	CHIP R	100K	J	1/10W	
R612			RK73FB2A680J	CHIP R	68	J	1/10W	
R613	△	*	RK73FB2A1R0J	CHIP R	1	J	1/10W	
R631,632			RK73FB2A681J	CHIP R	680	J	1/10W	
R633,634		*	R92-1945-05	METAL GLAZE	100	J	1/10W	
D1			DAN202U	DIODE				
D1			MA142WK	DIODE				
D1			1SS301	DIODE				
D2			DAP202U	DIODE				
D2			MA142WA	DIODE				
D2			1SS300	DIODE				
D3			DAN202U	DIODE				
D3			MA142WK	DIODE				
D3			1SS301	DIODE				
D6			MA111	DIODE				
D41			S1ZB20(4072)	DIODE				
D42,43			UD25.6B	ZENER DIODE				
D44			UD23.9B	ZENER DIODE				
D51,52			MA111	DIODE				
D61,62			UDZ5.6B	ZENER DIODE				
D75,76			MA111	DIODE				
D151,152			UDZ7.5B	ZENER DIODE				
IC1		*	NJM4565MD	IC(OP AMP X2)				
IC2		*	AK4527-VQ	MOS-IC				
IC4		*	TC7WU04FU	MOS-IC				
IC5		*	AK4110-VF	MOS-IC				
IC6		*	TC7WH123FU	MOS-IC				
IC11		*	NJM4565MD	IC(OP AMP X2)				
IC12		*	NJU7311AM	MOS-IC				
IC13		*	NJM4565MD	IC(OP AMP X2)				
IC14		*	NJU7311AM	MOS-IC				
IC15		*	M62446FP	ANALOGUE IC				
IC21		*	NJM4565MD	IC(OP AMP X2)				
IC31		*	TC74HC07AF	MOS-IC				
IC41		*	TC74HCT007AF	MOS-IC				
IC42								

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C34			CK73FB1H472K	CHIP C	4700PF	K	C455			CE04LW1A101M	ELECTRO	100UF	10WV
C35			CK73FF1C105Z	CHIP C	1.0UF	Z	C456,457			CK73FB1E104K	CHIP C	0.10UF	K
C41			CC73FCH1H220J	CHIP C	22PF	J	C458			C92-0047-05	CHIP-ELE	47UF	6.3WV
C42			CC73FCH1H270J	CHIP C	27PF	J	C459,460			CK73FB1E104K	CHIP C	0.10UF	K
C43,44			CK73FB1H102K	CHIP C	1000PF	K	C461			CE04LW1E470M	ELECTRO	47UF	25WV
C45			CK73FB1H103K	CHIP C	0.010UF	K	C501-504			CK73FB1E104K	CHIP C	0.10UF	K
C46			CC73FCH1H220J	CHIP C	22PF	J	C505			CK73FB1H102K	CHIP C	1000PF	K
C54,55			CC73FCH1H220J	CHIP C	22PF	J	C506			CC73FCH1H471J	CHIP C	470PF	J
C56			CK73FB1H102K	CHIP C	1000PF	K	C507			CK73FB1H103K	CHIP C	0.010UF	K
C57			CK73FF1C105Z	CHIP C	1.0UF	Z	C508			CE04LW1H2R2M	ELECTRO	2.2UF	50WV
C58,59			CK73FB1H103K	CHIP C	0.010UF	K	C509			CE04LW1E470M	ELECTRO	47UF	25WV
C103,104			CK73FF1C105Z	CHIP C	1.0UF	Z	C510,511			CK73FB1H103K	CHIP C	0.010UF	K
C105,106			CK73FB1H182K	CHIP C	1800PF	KK	C601			CC73FCH1H470J	CHIP C	47PF	J
C107,108			CK73FB1H222K	CHIP C	2200PF	KK	C602			CE04LW1E470M	ELECTRO	47UF	25WV
C109			CK73FB1H103K	CHIP C	0.010UF	K	C603			CC73FCH1H470J	CHIP C	47PF	J
C110			CC73FCH1H101J	CHIP C	100PF	J	C604			CE04LW1E470M	ELECTRO	47UF	25WV
C121,122			CC73FCH1H220J	CHIP C	22PF	J	C607			CC73FCH1H470J	CHIP C	47PF	J
C125			CK73FB1H103K	CHIP C	0.010UF	K	C608			CE04LW1E470M	ELECTRO	47UF	25WV
C126			CC73FCH1H101J	CHIP C	100PF	J	C609,610			CC73FCH1H470J	CHIP C	47PF	J
C141			CC73FCH1H101J	CHIP C	100PF	J	C621,622			CK73FB1E104K	CHIP C	0.10UF	K
C151,152			CK73FF1C225Z	CHIP C	2.2UF	Z	C751,752			CC73FCH1H221J	CHIP C	220PF	J
C153,154			CC73FCH1H101J	CHIP C	100PF	Z	C753			CK73FB1H103K	CHIP C	0.010UF	K
C155,156			CK73FF1C105Z	CHIP C	1.0UF	Z	CN1	*		E40-8485-05	FLAT CABLE CONNECTOR		
C157-160			CK73FF1C225Z	CHIP C	2.2UF	Z	CN2	*		E40-8484-05	FLAT CABLE CONNECTOR		
C161,162			CK73FB1H822K	CHIP C	8200PF	K	CN5	*		E40-4248-05	PIN ASSY		
C163,164			CK73FB1H153K	CHIP C	0.015UF	K	CN5	*		E40-8358-05	PIN ASSY		
C165,166			CK73FB1C334K	CHIP C	0.33UF	KK	J1	*		E63-1080-05	PIN JACK		
C167,168			CK73FF1C225Z	CHIP C	2.2UF	Z	J1	*		E63-1140-05	PIN JACK		
C169,170			CK73FB1H222K	CHIP C	2200PF	KK	J2	*		E63-1139-05	PIN JACK		
C177-182			CK73FF1C225Z	CHIP C	2.2UF	Z	J2	*		E63-1139-05	PIN JACK		
C183			CK73FF1C105Z	CHIP C	1.0UF	Z	J3	*		E63-1138-05	PIN JACK		
C184			CC73FCH1H221J	CHIP C	220PF	Z	J61	*		E63-1141-05	PIN JACK		
C185,186			CK73FB1E104K	CHIP C	0.10UF	Z	J75			E11-0293-05	MINIATURE PHONE JACK(2P)		
C187,188			CK73FB1H102K	CHIP C	1000PF	KK	E1,2			J11-0809-05	WIRE CLAMPER		
C203,204			CK73FF1C105Z	CHIP C	1.0UF	Z	L31,32	*		L92-0511-05	CHIP FERRITE		
C205,206			CK73FB1H182K	CHIP C	1800PF	K	L41	*		L92-0510-05	CHIP FERRITE		
C207,208			CK73FB1H222K	CHIP C	2200PF	KK	X1	*		L77-2296-05	CRYSTAL RESONATOR(12.288MHZ)		
C209			CK73FB1H103K	CHIP C	0.010UF	K	CP41-44			R90-0728-05	MULTI-COMP	180 X 4	
C210			CC73FCH1H101J	CHIP C	100PF	J	CP51,52			R90-0714-05	MULTI-COMP	10K X 4	
C251-256			CK73FCH1H221J	CHIP C	220PF	J	R1,2			RK73FB2A562J	CHIP R	5.6K	J 1/10W
C303,304			CK73FB1H182K	CHIP C	1800PF	K	R3,4			RK73FB2A101J	CHIP R	100	J 1/10W
C305			CK73FB1H222K	CHIP C	2200PF	KK	R5,6			RK73FB2A471J	CHIP R	470	J 1/10W
C306			CK73FB1H103K	CHIP C	0.010UF	K	R7,10			RK73FB2A472J	CHIP R	4.7K	J 1/10W
C307			CC73FCH1H220J	CHIP C	22PF	J	R11,12			RK73FB2A471J	CHIP R	470	J 1/10W
C308			CK73FB1H101J	CHIP C	100PF	J	R20	*		R92-1946-05	METAL GLAZE	4.7	J 1/4W
C309			CK73FB1H103K	CHIP C	0.010UF	K	R21			RK73FB2A221J	CHIP R	220	J 1/10W
C310			CC73FCH1H101J	CHIP C	100PF	J	R31,32			RK73FB2A820J	CHIP R	82	J 1/10W
C401-403			CK73FB1H103K	CHIP C	0.010UF	K	R33			RK73FB2A471J	CHIP R	470	J 1/10W
C411-414			CC73FCH1H220J	CHIP C	22PF	J	R34			RD14NB2E4R7J	RD	4.7	J 1/4W
C415-418			CK73FCH1H101J	CHIP C	100PF	J	R41,42			RK73FB2A105J	CHIP R	1.0M	J 1/10W
C419			CC73FCH1H100D	CHIP C	10PF	D	R43,45			RK73FB2A221J	CHIP R	220	J 1/10W
C450			CK73FB1H103K	CHIP C	0.010UF	K	R54			RK73FB2A912J	CHIP R	9.1K	J 1/10W
C451			CK73FB1E104K	CHIP C	0.10UF	K							
C452			CE04LW1C222M	ELECTRO	2200UF	16WV							
C453,454			CK73FB1E104K	CHIP C	0.10UF	K							

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Ref. No	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks
R55-58			RK73FB2A221J	CHIP R 220	J 1/10W	
R59			RK73FB2A101J	CHIP R 100	J 1/10W	
R66			RK73FB2A104J	CHIP R 100K	J 1/10W	
R67			RK73FB2A103J	CHIP R 10K	J 1/10W	
R68			RK73FB2A221J	CHIP R 220	J 1/10W	
R101,102			RK73FB2A222J	CHIP R 2.2K	J 1/10W	
R103,104			RK73FB2A104J	CHIP R 100K	J 1/10W	
R107,108			RK73FB2A222J	CHIP R 2.2K	J 1/10W	
R109,110			RK73FB2A103J	CHIP R 10K	J 1/10W	
R111,112			RK73FB2A472J	CHIP R 4.7K	J 1/10W	
R113,114			RK73FB2A221J	CHIP R 220	J 1/10W	
R121-124			RK73FB2A103J	CHIP R 10K	J 1/10W	
R125,126			RK73FB2A101J	CHIP R 100	J 1/10W	
R127,128			RK73FB2A242J	CHIP R 2.4K	J 1/10W	
R151-156			RK73FB2A100J	CHIP R 10	J 1/10W	
R157,158			RK73FB2A102J	CHIP R 1.0K	J 1/10W	
R159-164			RK73FB2A101J	CHIP R 100	J 1/10W	
R165			RK73FB2A751J	CHIP R 750	J 1/10W	
R166			RK73FB2A272J	CHIP R 2.7K	J 1/10W	
R168,169			RK73FB2A1R0J	CHIP R 1	J 1/10W	
R170,171			RK73FB2A471J	CHIP R 470	J 1/10W	
R172-175			RK73FB2A473J	CHIP R 47K	J 1/10W	
R201,202			RK73FB2A102J	CHIP R 1.0K	J 1/10W	
R203,204			RK73FB2A104J	CHIP R 100K	J 1/10W	
R207,208			RK73FB2A472J	CHIP R 4.7K	J 1/10W	
R209,210			RK73FB2A272J	CHIP R 2.7K	J 1/10W	
R211,212			RK73FB2A562J	CHIP R 5.6K	J 1/10W	
R213,214			RK73FB2A221J	CHIP R 220	J 1/10W	
R215,216			RK73FB2A472J	CHIP R 4.7K	J 1/10W	
R217,218			RK73FB2A562J	CHIP R 5.6K	J 1/10W	
R251,252			RK73FB2A153J	CHIP R 15K	J 1/10W	
R253,254			RK73FB2A223J	CHIP R 22K	J 1/10W	
R255,256			RK73FB2A103J	CHIP R 10K	J 1/10W	
R257,258			RK73FB2A223J	CHIP R 22K	J 1/10W	
R259,260			RK73FB2A103J	CHIP R 10K	J 1/10W	
R261,262			RK73FB2A223J	CHIP R 22K	J 1/10W	
R301			RK73FB2A222J	CHIP R 2.2K	J 1/10W	
R302			RK73FB2A103J	CHIP R 10K	J 1/10W	
R303,304			RK73FB2A104J	CHIP R 100K	J 1/10W	
R307			RK73FB2A222J	CHIP R 2.2K	J 1/10W	
R308			RK73FB2A123J	CHIP R 12K	J 1/10W	
R309,310			RK73FB2A103J	CHIP R 10K	J 1/10W	
R311,312			RK73FB2A472J	CHIP R 4.7K	J 1/10W	
R313,314			RK73FB2A221J	CHIP R 220	J 1/10W	
R401-406			RK73FB2A471J	CHIP R 470	J 1/10W	
R407			RK73FB2A473J	CHIP R 47K	J 1/10W	
R412			RK73FB2A221J	CHIP R 220	J 1/10W	
R426,427			RK73FB2A221J	CHIP R 220	J 1/10W	
R428			RK73FB2A1R0J	CHIP R 1	J 1/10W	
R431,432			RK73FB2A103J	CHIP R 10K	J 1/10W	
△ R450-453	*	*	R92-1945-05	METAL GLAZE	1	J 1/4W
R454	*	*	R92-1946-05	METAL GLAZE	4.7	J 1/4W
R461,462			RK73FB2A221J	CHIP R	220	J 1/10W
R463			RK73FB2A473J	CHIP R	47K	J 1/10W
R464			RK73FB2A472J	CHIP R	4.7K	J 1/10W

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Ref. No	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks
R465			RK73FB2A102J	CHIP R 1.0K	J 1/10W	
R501-503			RK73FB2A221J	CHIP R 220	J 1/10W	
R505			RK73FB2A103J	CHIP R 10K	J 1/10W	
R514			RK73FB2A101J	CHIP R 100	J 1/10W	
R515			RK73FB2A221J	CHIP R 220	J 1/10W	
R516			RK73FB2A103J	CHIP R 10K	J 1/10W	
R517			RK73FB2A221J	CHIP R 220	J 1/10W	
R518			RK73FB2A472J	CHIP R 4.7K	J 1/10W	
R519			RK73FB2A221J	CHIP R 220	J 1/10W	
R520,521			RK73FB2A103J	CHIP R 10K	J 1/10W	
R522,523			RK73FB2A472J	CHIP R 4.7K	J 1/10W	
R524			RK73FB2A333J	CHIP R 33K	J 1/10W	
R527			RK73FB2A103J	CHIP R 10K	J 1/10W	
R601			RK73FB2A820J	CHIP R 82	J 1/10W	
R603			RK73FB2A820J	CHIP R 82	J 1/10W	
R607			RK73FB2A820J	CHIP R 82	J 1/10W	
R609			RK73FB2A104J	CHIP R 100K	J 1/10W	
R610			RK73FB2A680J	CHIP R 68	J 1/10W	
R611			RK73FB2A104J	CHIP R 100K	J 1/10W	
R612			RK73FB2A680J	CHIP R 68	J 1/10W	
R613			RK73FB2A1R0J	CHIP R 1	J 1/10W	
R631,632	*	*	RK73FB2A681J	CHIP R 680	J 1/10W	
R633,634	*	*	R92-1954-05	METAL GLAZE	100	J 1/10W
D1			DAN202U	DIODE		
D1			MA142WK	DIODE		
D1			1SS301	DIODE		
D2			DAP202U	DIODE		
D2			MA142WA	DIODE		
D2			1SS300	DIODE		
D3			DAN202U	DIODE		
D3			MA142WK	DIODE		
D3			1SS301	DIODE		
D6			MA111	DIODE		
D41			S1ZB20(4072)	DIODE		
D42,43			UDZ5.6B	ZENER DIODE		
D44			UDZ3.9B	ZENER DIODE		
D51,52			MA111	DIODE		
D61,62			UDZ5.6B	ZENER DIODE		
D75,76			MA111	DIODE		
D151,152			UDZ7.5B	ZENER DIODE		
IC1			NJM4565MD	IC(OP AMP X2)		
IC2			AK4527-VQ	MOS-IC		
IC4			TC7WU04FU	MOS-IC		
IC5			AK4110-VF	MOS-IC		
IC6			TC7WH123FU	MOS-IC		
IC11			NJM4565MD	IC(OP AMP X2)		
IC12			NJU7311AM	MOS-IC		
IC13			NJM4565MD	IC(OP AMP X2)		
IC14			NJU7311AM	MOS-IC		
IC15			M62446FP	ANALOGUE IC		
IC21			NJM4565MD	IC(OP AMP X2)		
IC31			AK4527-VQ	MOS-IC		
IC41			TC74HC07AF	IC(OP AMP X2)		
IC42			TC74HCT7007AF	MOS-IC		

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PARTS LIST

KRF-V4530D/V5030D/V6030D/VR-405/406/414

PARTS LIST

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Ref. No	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks
IC45		*	TA48M05F	ANALOGUE IC		
IC46		*	TA48M033F	ANALOGUE IC		
IC47		*	TA48M025F	ANALOGUE IC		
IC51		*	CS493253-CLR	MOS-IC		
IC51		*	CS493263-CLR	MOS-IC		
IC61			NJM2279M	ANALOGUE IC		
Q1			DTC124EUA	DIGITAL TRANSISTOR		
Q1			UN5212	DIGITAL TRANSISTOR		
Q15		*	2SD1664(Q,R)	TRANSISTOR		
Q15		*	2SD1963(R,S)-G	TRANSISTOR		
Q16		*	2SB1132(Q,R)	TRANSISTOR		
Q16		*	2SB1308(Q,R)-G	TRANSISTOR		
Q41		*	2SC4081(R,S)	TRANSISTOR		
Q41		*	2SD1819A(Q,R)	TRANSISTOR		
Q42		*	2SA1576A(R,S)	TRANSISTOR		
Q42		*	2SB1218A(Q,R)	TRANSISTOR		
Q61		*	2SD1664(Q,R)	TRANSISTOR		
Q61		*	2SD1963(R,S)-G	TRANSISTOR		
Q62		*	2SB1132(Q,R)	TRANSISTOR		
Q62		*	2SB1308(Q,R)-G	TRANSISTOR		
A1		*	W02-2716-05	OPTIC RECEIVING MODULE		

DISPLAY (X14-7120-10)

D1		*	B30-2567-05	LED(RED(80) HI-BR)		
D3 -5		*	B30-2545-05	LED(RED(160))		
C1			CE04RW0J331M	ELECTRO	330UF	6.3WV
C1			CE04RW1A101M	ELECTRO	100UF	10WV
C2			CK73FB1H103K	CHIP C	0.010UF	K
C3			CE04RW1H1010M	ELECTRO	1.0UF	50WV
C4 ,5			CE04RW1C100M	ELECTRO	10UF	16WV
C6		*	CE04RW0J100M	ELECTRO	10UF	6.3WV
C7			CK73FB1H103K	CHIP C	0.010UF	K
C9			CC73FCH1H470J	CHIP C	47PF	J
C10 -19			CK73FB1H103K	CHIP C	0.010UF	K
C20 ,21			CK73FB1C104K	CHIP C	0.10UF	K
C22			CK73FF1C105Z	CHIP C	1.0UF	Z
C23			CE04RW0J470M	ELECTRO	47UF	6.3WV
C24			CE04RW0J470M	ELECTRO	47UF	6.3WV
C25			CK73FB1H103K	CHIP C	0.010UF	K
C26 ,27			CC73FCH1H270J	CHIP C	27PF	J
C28			CC73FCH1H561J	CHIP C	560PF	J
C29			CC73FCH1H271J	CHIP C	270PF	J
C30		*	CE04RW1V2R2M	ELECTRO	2.2UF	35WV
C31			CC73FCH1H101J	CHIP C	100PF	J
C32			CE04RW0J220M	ELECTRO	22UF	6.3WV
C33 -35			CC73FCH1H101J	CHIP C	100PF	J
C36 ,37			CC73FCH1H470J	CHIP C	47PF	J
C38		*	CE04RW1H330M	ELECTRO	33UF	50WV
C39			CK73FB1H103K	CHIP C	0.010UF	K
C40			C90-1826-05	BACKUP-C	0.047F	5.5WV
C41			CK73FB1H103K	CHIP C	0.010UF	K
C42			CK73FB1H103K	CHIP C	0.010UF	K
C43 ,44			CC73FCH1H101J	CHIP C	100PF	J
C45 ,46			CC73FCH1H470J	CHIP C	47PF	J
C47			CC73FCH1H101J	CHIP C	100PF	J

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C48			CC73FCH1H101J	CHIP C	100PF	J
C49			CE04RW0J331M	ELECTRO	330UF	6.3WV
C50		*	CC73FCH1H101J	CHIP C	100PF	J
C51		*	CE04RW1H2R2M	ELECTRO	2.2UF	50WV
C52			CK73FB1H103K	CHIP C	0.010UF	K
C53		*	CC73FCH1H101J	CHIP C	100PF	J
C54		*	CE04RW1H470M	ELECTRO	4.7UF	50WV
C55		*	CC73FCH1H470J	CHIP C	47PF	J
C56		*	CC73FCH1H220J	CHIP C	22PF	J
C57		*	CC73FCH1H221J	CHIP C	220PF	J
C58			CC73FCH1H470J	CHIP C	47PF	J
C59			CK73FF1C105J	CHIP C	1.0UF	J
C106,107			CC73FCH1H101J	CHIP C	100PF	J
CN1		*	E40-8510-05	FLAT CABLE CONNECTOR		
CN2		*	E40-8504-05	FLAT CABLE CONNECTOR		
CN3		*	E40-3247-05	PIN ASSY		
CN5		*	E40-3261-05	PIN ASSY		
J1			E11-0272-05	PHONE JACK		
E5			J11-0808-05	WIRE CLAMPER		
X1		*	L78-0714-05	RESONATOR (8MHZ)		
X2		*	L77-2002-05	CRYSTAL RESONATOR(4.33MHZ)		ET
CP1			R90-0855-05	MULTI-COMP	100KX5	J
CP2 ,3			R90-0482-05	MULTI-COMP	100KX4	J
CP501			R90-0855-05	MULTI-COMP	100KX5	J
CP502			R90-0850-05	MULTI-COMP	100KX3	J
R4			RK73FB2A102J	CHIP R	1.0K	J
R5			RK73FB2A103J	CHIP R	10K	J
R7			RK73FB2A104J	CHIP R	100K	J
R8			RK73FB2A102J	CHIP R	1.0K	J
R11			RK73FB2A223J	CHIP R	22K	J
R12			RK73FB2A331J	CHIP R	330	J
R13 ,14			RK73FB2A104J	CHIP R	100K	J
R15			RK73FB2A331J	CHIP R	330	J
R29			RK73FB2A122J	CHIP R	1.2K	J
R31 -33			RK73FB2A221J	CHIP R	220	J
R36 ,37			RK73FB2A104J	CHIP R	100K	J
R38 -43			RK73FB2A103J	CHIP R	10K	J
R44 -49			RK73FB2A101J	CHIP R	100	J
R50			RK73FB2A272J	CHIP R	2.7K	J
R51			RK73FB2A102J	CHIP R	1.0K	J
R52 ,53			RK73FB2A272J	CHIP R	2.7K	J
R54 ,55			RK73FB2A103J	CHIP R	10K	J
R57 ,58			RK73FB2A223J	CHIP R	22K	J
R59 -63			RK73FB2A104J	CHIP R	100K	J
R64			RK73FB2A101J	CHIP R	100	J
R65 ,66			RK73FB2A103J	CHIP R	10K	J
R67			RD14NB2E222J	RD	2.2K	J
R69 ,70			RK73FB2A103J	CHIP R	10K	J
R71 ,72			RK73FB2A473J	CHIP R	47K	J
R83			RK73FB2A564J	CHIP R	560K	J
R86			RD14NB2E152J	RD	1.5K	J
R98			RK73FB2A104J	CHIP R	100K	J
R107-109			RK73FB2A104J	CHIP R	100K	J

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KRF-V4530D/V5030D/V6030D/VR-405/406/414 PARTS LIST

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R110			RK73FB2A1R0J	CHIP R	1	J 1/10W	ET	
R111			RK73FB2A101J	CHIP R	100	J 1/10W	ET	
R112			RK73FB2A473J	CHIP R	47K	J 1/10W	ET	
R113			RK73FB2A101J	CHIP R	100	J 1/10W	ET	
R114			RK73FB2A104J	CHIP R	100K	J 1/10W	ET	
R118			RK73FB2A104J	CHIP R	100K	J 1/10W		
R119-126			RK73FB2A101J	CHIP R	100	J 1/10W		
R127-129			RK73FB2A104J	CHIP R	100K	J 1/10W		
R130			RK73FB2A102J	CHIP R	1.0K	J 1/10W		
R141,142			RK73FB2A104J	CHIP R	100K	J 1/10W		
R143			RK73FB2A101J	CHIP R	100	J 1/10W		
R161,162			RK73FB2A104J	CHIP R	100K	J 1/10W		
R501,502			RK73FB2A104J	CHIP R	100K	J 1/10W		
W503			R92-0679-05	CHIP R	0 OHM			
W505			R92-0679-05	CHIP R	0 OHM			
W509			R92-0679-05	CHIP R	0 OHM			
W514			R92-0679-05	CHIP R	0 OHM			
S4 -18			S70-0031-05	TACT SWITCH				
S19			S68-0107-05	PUSH SWITCH			YMI	
S1		*	T99-0602-05	ROTARY ENCODER				
S2		*	T99-0630-05	ROTARY ENCODER				
D7			HZS6.2N(B2)	ZENER DIODE				
D7			MTZ6.2(B)	ZENER DIODE				
D8 ,9			RB721Q	DIODE				
D11 ,12			MA111	DIODE				
D13			HSS104A	DIODE				
D13			1SS133	DIODE				
D15 ,16			MA111	DIODE				
D17 -22			HSS104A	DIODE				
D17 -22			1SS133	DIODE				
D24			HSS104A	DIODE				
D24			1SS133	DIODE				
D27			HSS104A	DIODE				
D27			1SS133	DIODE				
D28			HSS104A	DIODE				
D28			1SS133	DIODE				
D29			HSS104A	DIODE				
D29			1SS133	DIODE				
D30			HSS104A	DIODE				
D30			1SS133	DIODE				
D33			HSS104A	DIODE				
D33			1SS133	DIODE				
D35 ,36			MA111	DIODE				
ED1		*	SVA-11MS22	FLUORESCENT INDICATOR TUBE				
IC1		*	MN101C35DRA	MI-COM IC				
IC2		*	S-80840ANY	ANALOGUE IC				
IC3		*	TA78057F	ANALOGUE IC				
IC4			BU1923F	ANALOGUE IC				
IC5			S-80840ANY	ANALOGUE IC				
IC6			XC62FP5102P	ANALOGUE IC				
Q1			2SC4081(R,S)	TRANSISTOR				
Q2			2SA1576A(R,S)	TRANSISTOR				
Q3 - 5			2SC4081(R,S)	TRANSISTOR				

L:Scandinavia

K: USA

P: Canada

R: Mexico

C: China

I: Malaysia

Y:PX(Far East,Hawaii)

T: England

E: Europe

G: Germany

V: China(Shanghai)

Y:AAFES(Europe)

X: Australia

Q: Russia

H: Korea

M: Other Areas

△ indicates safety critical components.

* New Parts

Parts without **Parts No.** are not supplied.

Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.

Teile ohne **Parts No.** werden nicht geliefert.

Ref. No	Add- ress	New Parts	Parts No.	Description			Desti- nation	Re- marks
Q6			UN5219	DIGITAL TRANSISTOR				
Q9 -11			UN5219	DIGITAL TRANSISTOR				
Q12,13			2SA1576A(R,S)	TRANSISTOR				
Q14			DTA124EUA	DIGITAL TRANSISTOR				
Q14			UN5112	DIGITAL TRANSISTOR				
A1			W02-2625-05	OPTIC RECEIVING MODULE				

L:Scandinavia

K: USA

P: Canada

R: Mexico

C: China

I: Malaysia

Y:PX(Far East,Hawaii)

T: England

E: Europe

G: Germany

V: China(Shanghai)

Y:AAFES(Europe)

X: Australia

Q: Russia

H: Korea

M: Other Areas

△ indicates safety critical components.

HOW TO READ THE PARTS LIST

Destination column has the abbreviation for sale country and model.

Alphabets mean the country. Numerals do model.

Example: X means KRF-V5030D-S and KRF-V6030D-S for Australia market.

5 does KRF-V4530D, KRF-5030D, KRF-V5030DE KRF-V5030D-S and VR-405.

ABBREVIATION OF MODEL AND MASS PRODUCTION'S DESTINATIONS

MODEL	CNT	Australia	Canada	China	England	Europe	Germany	Korea	Malaysia
MODEL	ABB	R	P	C	T	E	G	H	I
KRF-V4530D	5	-	-	-	-	-	-	-	-
KRF-V5030D	5	-	-	-	-	T5	E1	-	-
KRF-V5030DE	5	-	-	-	-	-	E2	-	-
KRF-V5030D-S	5	X5	-	-	-	-	E3	-	I5
KRF-V6030D	6	-	-	-	-	-	E6	-	-
KRF-V6030DE	6	-	-	-	-	-	E7	-	-
KRF-V6030D-S	6	X6	-	-	-	-	-	-	I6
VR-405	5	-	P5	-	-	-	-	-	-
VR-406	6	-	P6	-	-	-	-	-	-
VR-414	4	-	P4	-	-	-	-	-	-
MODEL	CNT	Mexico	PX/AAFES	Russia	Scandinavia	Shanghai	USA	Other area	Other area(M2)
MODEL	ABB	R	Y	Q	L	V	K	M	M2
KRF-V4530D	5	-	-	-	-	-	-	-	-
KRF-V5030D	5	-	Y5	-	-	-	-	-	-
KRF-V5030DE	5	-	-	-	-	-	-	-	-
KRF-V5030D-S	5	-	-	-	-	-	-	M5	-
KRF-V6030D	6	-	-	-	-	-	-	-	-
KRF-V6030DE	6	-	-	-	-	-	-	-	-
KRF-V6030D-S	6	-	-	-	-	-	-	M6	-
VR-405	5	-	-	-	-	-	K5	-	-
VR-406	6	-	-	-	-	-	K6	-	-
VR-414	4	-	-	-	-	-	K4	-	-

KRF-V4530D/V5030D/V6030D/VR-405/406/414

SPECIFICATIONS

For U.S.A and Canada

AUDIO section (VR-407/406)

Rated power output during STEREO operation

100 watts per channel minimum RMS, both channels driven, at 8 Ω from 20 Hz (VR-407), 40Hz (VR-406) to 20 kHz with no more than 0.7% total harmonic distortion. (FTC)

Effective power output during SURROUND operation

FRONT (20-20kHz/VR-407, 40-20kHz/VR-406, 0.7% T.H.D. at 8 Ω one channel driven) 100 W + 100 W
CENTER (20-20kHz/VR-407, 40-20kHz/VR-406, 0.7% T.H.D. at 8 Ω one channel driven) 100 W
SURROUND (20-20kHz/VR-407, 40-20kHz/VR-406, 0.7% T.H.D. at 8 Ω one channel driven) 100 W + 100 W

Total harmonic distortion 0.055% (1 kHz, 50W, 8 Ω)

Frequency response

CD 10 Hz ~ 53 kHz, +0 dB, -3.0 dB

Signal to noise ratio (IHF'66)

PHONO (MM) 75 dB
CD 91 dB

Input sensitivity / impedance

PHONO (MM) 2.5 mV / 27 kΩ
CD 200 mV / 47 kΩ
MONITOR IN (VR-406:VIDEO2/MONITOR) 200 mV / 47 kΩ

Output level / impedance

TAPE REC 200 mV / 1 kΩ
MONITOR OUT (VR-406:VIDEO2/MONITOR) 200 mV / 1 kΩ
PRE OUT (SUBWOOFER) 2 V / 2.2 kΩ

Tone control

BASS ±10 dB (at 100 Hz)
TREBLE ±10 dB (at 10 kHz)

AUDIO section (VR-405/414)

Rated power output during STEREO operation

80 watts (VR-405), 50watts (VR-414) per channel minimum RMS, both channels driven, at 8 Ω from 40 Hz to 20 kHz with no more than 0.7% total harmonic distortion. (FTC)

Effective power output during SURROUND operation

FRONT (40-20kHz, 0.7% T.H.D. at 8 Ω one channel driven) 80 W + 80 W (VR-405), 50 W + 50 W (VR-414)
CENTER (40-20kHz, 0.7% T.H.D. at 8 Ω one channel driven) 80 W (VR-405), 50 W (VR-414)
SURROUND (40-20kHz, 0.7% T.H.D. at 8 Ω one channel driven) 80 W + 80 W (VR-405), 50 W + 50 W (VR-414)

Total harmonic distortion 0.055% (1 kHz, 40W, 8 Ω)

Frequency response

CD 10 Hz ~ 53 kHz, +0 dB, -3.0 dB

Signal to noise ratio (IHF'66)

CD 91 dB

Input sensitivity / impedance

CD 200 mV / 47 kΩ
MONITOR IN (VIDEO2/MONITOR) 200 mV / 47 kΩ

Output level / impedance

TAPE REC 200 mV / 1 kΩ
MONITOR OUT (VIDEO2/MONITOR) 200 mV / 1 kΩ
PRE OUT (SUBWOOFER) 2 V / 2.2 kΩ

Tone control

BASS ±10 dB (at 100 Hz)
TREBLE ±10 dB (at 10 kHz)

DIGITAL AUDIO section

Sampling frequency 32 kHz, 44.1 kHz, 48 kHz, 96kHz

Input level / impedance / wave length

Optical (-15 dBm ~ -21 dBm), 660 nm ±30nm
Coaxial 0.5 Vp-p / 75 Ω

VIDEO section

VIDEO inputs / outputs

VIDEO (composite) 1 Vp-p / 75 Ω
S VIDEO (VR-407 only)
(luminance signal) 1 Vp-p / 75 Ω
(chrominance signal) 0.286 Vp-p / 75 Ω

FM tuner section

Tuning frequency range 87.5 MHz ~ 108 MHz
Usable sensitivity (MONO)

..... 1.6 μV (75 Ω) / 15.2 dBf (75 kHz DEV., SINAD 30 dB)
50dB quieting sensitivity

STEREO 31.6 μV (75 Ω) / 41.2 dBf

Total harmonic distortion (1 kHz)

MONO 0.6% (65 dBf input)
STEREO 0.7% (65 dBf input)

Signal to noise ratio (1 kHz, 75 kHz DEV.)

MONO 75 dB (65 dBf input)
STEREO 68 dB (65 dBf input)

Stereo separation (1 kHz)

..... 38 dB

Selectivity (±400 kHz)

..... 70 dB

Frequency response (30 Hz ~ 15kHz), +0.5 dB, -3.0 dB

AM tuner section

Tuning frequency range

10 kHz step 530 kHz ~ 1,700 kHz

Usable sensitivity (30% mod., S/N 20 dB) 16 μV / (600 μV/m)

Signal to noise ratio (30% mod. 1 mV input) 50 dB

GENERAL

Power consumption (VR-414) 2.3 A
(VR-405) 2.0 A
(VR-407/406) 2.6 A

AC outlet

SWITCHED (total 150 W, 1.25 A max.)

Dimensions W : 440 mm (17-5/16")

H : 143 mm (5-5/8")

D : 400 mm (15-3/4")

Weight (Net) 7.2 kg (15.8 lb)

Notes

1. KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.
2. The full performance may not be exhibited in an extremely cold location (under a water-freezing temperature).

KRF-V4530D/V5030D/V6030D/VR-405/406/414

SPECIFICATIONS

For other countries

AUDIO section (KRF-V7030D/V6030D)

Effective power output during STEREO operation	
1kHz, 10% T.H.D., at 8 Ω	140 W + 140 W
Rated power output during STEREO operation	
100 watts per channel minimum RMS, both channels driven, at 8 Ω from 40 Hz (KRF-V6030D), 20Hz (KRF-V7030D) to 20 kHz with no more than 0.7% total harmonic distortion.(FTC)	
Effective power output during SURROUND operation	
FRONT (1kHz, 10% T.H.D. at 8 Ω one channel driven)	140 W + 140 W
CENTER (1kHz, 10% T.H.D. at 8 Ω one channel driven)	140 W
SURROUND (1kHz, 10% T.H.D. at 8 Ω one channel driven)	140 W + 140 W
Total harmonic distortion	0.055% (1 kHz, 50W, 8 Ω)
Frequency response	
CD	10 Hz ~ 50 kHz, +0 dB, -3.0 dB
Signal to noise ratio (IHF'66)	
PHONO (MM)	75 dB
CD	91 dB
Input sensitivity / impedance	
PHONO (MM)	2.5 mV / 27 kΩ
CD	200 mV / 47 kΩ
MONITOR IN (KRF-V6030D:VIDEO2/MONITOR)	200 mV / 47 kΩ
Output level / impedance	
TAPE REC	200 mV / 1 kΩ
MONITOR OUT (KRF-V6030D:VIDEO2/MONITOR)	200 mV / 1 kΩ
PRE OUT (SUBWOOFER)	2 V / 2.2 kΩ
Tone control	
BASS (For Australia and U.S-Military)	±10 dB (at 100 Hz)
BASS (Other countries)	±10 dB (at 60 Hz)
TREBLE	±10 dB (at 10 kHz)

AUDIO section (KRF-V5030D)

Effective power output during STEREO operation	
(1 kHz, 10%, 8Ω)	110 W + 110 W
80 watts channel minimum RMS, both channels driven, at 8 Ω from 40 Hz to 20 kHz with no more than 0.7% total harmonic distortion.(FTC)	
Effective power output during SURROUND operation	
FRONT (1kHz, 10% T.H.D. at 8 Ω one channel driven)	110 W + 110 W
CENTER (1kHz, 10% T.H.D. at 8 Ω one channel driven)	110 W
SURROUND (1kHz, 10% T.H.D. at 8 Ω one channel driven)	110 W + 110 W
Total harmonic distortion	0.055% (1 kHz, 40W, 8 Ω)
Frequency response	
CD	10 Hz ~ 53 kHz, +0 dB, -3.0 dB
Signal to noise ratio (IHF'66)	
PHONO (MM)	73 dB
CD	91 dB
Input sensitivity / impedance	
PHONO (MM)	2.5 mV / 27 kΩ
CD	200 mV / 47 kΩ

Notes

1. KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.
2. The full performance may not be exhibited in an extremely cold location (under a water-freezing temperature).

MONITOR IN (VIDEO2/MONITOR)	200 mV / 47 kΩ
Output level / impedance	
TAPE REC	200 mV / 1 kΩ
MONITOR OUT (VIDEO2/MONITOR)	200 mV / 1 kΩ
PRE OUT (SUBWOOFER)	2 V / 2.2 kΩ
Tone control	
BASS (For Australia and U.S-Military)	±10 dB (at 100 Hz)
BASS (Other countries)	±10 dB (at 60 Hz)
TREBLE	±10 dB (at 10 kHz)

DIGITAL AUDIO section

Sampling frequency	32 kHz, 44.1 kHz, 48 kHz, 96kHz
Input level / impedance / wave length	
Optical	(-15 dBm ~ -21 dBm), 660 nm ±30nm
Coaxial	0.5 Vp-p / 75 Ω

VIDEO section

VIDEO inputs / outputs	
VIDEO (composite)	1 Vp-p / 75 Ω
S VIDEO (KRF-V7030D only)	
(luminance signal)	1 Vp-p / 75 Ω
(chrominance signal)	0.286 Vp-p / 75 Ω

FM tuner section

Tuning frequency range	87.5 MHz ~ 108 MHz
Usable sensitivity (MONO)	
..... 1.6 μV (75 Ω)/ 15.2 dBf (75 kHz DEV., SINAD 30 dB)	
50dB quieting sensitivity	
STEREO	31.6 μV (75 Ω)/ 41.2 dBf
Total harmonic distortion (1 kHz)	
MONO	0.6% (65 dBf input)
STEREO	0.7% (65 dBf input)
Signal to noise ratio (1 kHz, 75 kHz DEV.)	
MONO	75 dB (65 dBf input)
STEREO	68 dB (65 dBf input)
Stereo separation (1 kHz)	38 dB
Selectivity (±400 kHz)	50 dB
Frequency response	(30 Hz ~ 15kHz), +0.5 dB, -3.0 dB

AM tuner section

Tuning frequency range	
9 kHz step	531 kHz ~ 1,602 kHz
10 kHz step	530 kHz ~ 1,610 kHz
Usable sensitivity	16 μV / (600 μV/m)
Signal to noise ratio (30% mod. 1 mV input)	50 dB

GENERAL

Power consumption	
KRF-V5030D	190 W
KRF-V7030D/V6030D	250 W
AC outlet	
SWITCHED	(total 90 W max.)
Dimensions	W : 440 mm H : 143 mm D : 400 mm
Weight (Net)(KRF-V7030D/V6030D)	7.4 kg
(Net)(KRF-V5030D)	7.2 kg